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OM nucleic - nucleic search, using sw model

Run on: April 4, 2003, 19:22:42 ; Search time 87.942 Seconds
(without alignments)
6074.810 Million cell updates/sec

Title: US-09-719-748-1
Perfect score: 1742
Sequence: 1 gacgcgcgcgcgcgcgcgc.....aaacttcgtgttactctgaa 1742

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 15338381.residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA.*
1: /cgn2_6/ptodata/1/ina/5A.COMB.seq:*
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6: /cgn2_6/ptodata/1/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|--------|-------------|--------|----|---------------------------------------|
| 1 | 1042.2 | 59.8 | 1864 | 3 | US-09-221-235-10 Sequence 10, Appl |
| 2 | 1042.2 | 59.8 | 1864 | 3 | US-09-221-928-10 Sequence 10, Appl |
| 3 | 1042.2 | 59.8 | 1864 | 3 | US-09-221-527-10 Sequence 10, Appl |
| 4 | 1042.2 | 59.8 | 1864 | 3 | US-09-221-236-10 Sequence 10, Appl |
| 5 | 1042.2 | 59.8 | 1864 | 3 | US-09-221-416-10 Sequence 10, Appl |
| 6 | 1042.2 | 59.8 | 1864 | 4 | US-09-221-245-10 Sequence 10, Appl |
| 7 | 1042.2 | 59.8 | 1864 | 4 | US-09-163-115-10 Sequence 10, Appl |
| 8 | 1042.2 | 59.8 | 1864 | 4 | US-09-528-10 Sequence 10, Appl |
| 9 | 1042.2 | 59.8 | 1864 | 4 | US-09-593-553-10 Sequence 10, Appl |
| 10 | 1042.2 | 59.8 | 1864 | 4 | US-09-221-237-10 Sequence 10, Appl |
| 11 | 515.6 | 29.6 | 2132 | 2 | US-09-159-385-3 Sequence 3, Appl |
| 12 | 515.6 | 29.6 | 2132 | 2 | US-09-186-277-3 Sequence 4, Appl |
| 13 | 513.8 | 29.5 | 1429 | 4 | US-09-159-385-4 Sequence 4, Appl |
| 14 | 513.8 | 29.5 | 1429 | 4 | US-09-186-277-4 Sequence 4, Appl |
| 15 | 449.4 | 25.8 | 4935 | 2 | US-08-631-097-3 Sequence 9, Appl |
| 16 | 449.4 | 25.8 | 5886 | 4 | US-08-810-712-9 Sequence 12, Appl |
| 17 | 445.4 | 25.6 | 480 | 3 | US-09-221-235-12 Sequence 12, Appl |
| 18 | 445.4 | 25.6 | 480 | 3 | US-09-221-928-12 Sequence 12, Appl |
| 19 | 445.4 | 25.6 | 480 | 3 | US-09-221-527-12 Sequence 12, Appl |
| 20 | 445.4 | 25.6 | 480 | 3 | US-09-221-236-12 Sequence 12, Appl |
| 21 | 445.4 | 25.6 | 480 | 3 | US-09-221-416-12 Sequence 12, Appl |
| 22 | 445.4 | 25.6 | 480 | 4 | US-09-221-245-12 Sequence 12, Appl |
| 23 | 445.4 | 25.6 | 480 | 4 | US-09-163-115-12 Sequence 12, Appl |
| 24 | 445.4 | 25.6 | 480 | 4 | US-09-528-12 Sequence 12, Appl |
| 25 | 445.4 | 25.6 | 480 | 4 | US-09-593-553-12 Sequence 12, Appl |
| 26 | 445.4 | 25.6 | 480 | 4 | US-09-221-237-12 Sequence 12, Appl |
| 27 | 146.8 | 8.4 | 1282 | 2 | US-08-878-989-12 Sequence 12, Appl |

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| 28 | 146.8 | 8.4 | 1282 | 4 | US-09-272-796-12 Sequence 12, Appl |
| 29 | 136.6 | 7.8 | 8906 | 2 | US-08-826-267-1 Sequence 1, Appl |
| 30 | 134 | 7.7 | 1417 | 1 | US-08-713-828-2 Sequence 2, Appl |
| 31 | 134 | 7.7 | 1417 | 2 | US-08-919-627-2 Sequence 2, Appl |
| 32 | 134 | 7.7 | 1417 | 2 | US-08-096-245-2 Sequence 2, Appl |
| 33 | 132.2 | 7.6 | 3471 | 2 | US-08-715-568A-2 Sequence 2, Appl |
| 34 | 113.2 | 6.5 | 2908 | 4 | US-09-930-181-1 Sequence 4, Appl |
| 35 | 107.6 | 6.2 | 425 | 1 | US-08-700-575-44 Sequence 10, Appl |
| 36 | 105 | 6.0 | 1776 | 3 | US-08-655-352-10 Sequence 10, Appl |
| 37 | 105 | 6.0 | 1776 | 4 | US-09-258-016-10 Sequence 10, Appl |
| 38 | 105 | 6.0 | 1776 | 4 | US-09-257-825B-10 Sequence 10, Appl |
| 39 | 104.4 | 6.0 | 2637 | 4 | US-09-735-934A-1 Sequence 1, Appl |
| 40 | 104 | 6.0 | 2061 | 4 | US-09-800-960-1 Sequence 1, Appl |
| 41 | 101.8 | 5.8 | 2514 | 3 | US-08-655-352-1 Sequence 1, Appl |
| 42 | 101.8 | 5.8 | 2514 | 4 | US-09-258-016-1 Sequence 1, Appl |
| 43 | 101.8 | 5.8 | 2514 | 4 | US-09-257-825B-1 Sequence 1, Appl |
| 44 | 100.8 | 5.8 | 3364 | 4 | US-09-930-181-3 Sequence 3, Appl |
| 45 | 96.8 | 5.6 | 2374 | 4 | US-09-347-801-3 Sequence 3, Appl |

ALIGNMENTS

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RESULT 1
US-09-221-235-10
; Sequence 10, Application US/09221235
; Patent No. 6043040
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: NMI-050
; CURRENT APPLICATION NUMBER: US/09/221.235
; CURRENT FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163.115
; EARLIER FILING DATE:
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 1864
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (275)..(754)
US-09-221-235-10

Query Match      59.8%; Score 1042.2; DB 3; Length 1864;
Best Local Similarity 99.2%; Pred. No. 2.6e-270;
Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 687 TCCTTTAAGTGGAGCATCCCTTCTCTGGAGAGACAGAACAGAAACACTGGCAATA 746
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DB 300 TCAGCTTAAGTGGAGCATCCCTTCTCTGGAGAGACAGAACAGAAACACTGGCAATA 359

QY 747 TCACATCAGTAGTGAACATCTTGTGAAGAACTTTCAGCCATCAGACGAGCTGGCCA 806
    |||||||
DB 360 TCACAGCAGTAGTGAACATCTTGTGAAGAACTTTCAGCCATCAGACGAGCTGGCCA 419

QY 807 AGGACTTTATTCGAGAGCTTCTGTGAAGAACCCGGAACGGCTCACAATCCAAAGG 866
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DB 420 AGGACTTTATTCGAGAGCTTCTGTGAAGAACCCGGAACGGCTCACAATCCAAAGG 479

QY 867 CTCTAGACACCCCTGATCAACGCGGTGGACAAACAGCAAGCCATGTGTGACAGGAGT 926
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DB 480 CTCTAGACACCCCTGATCAACGCGGTGGACAAACAGCAAGCCATGTGTGACAGGAGT 539

QY 927 CTGTGTCATCTGGAGAACTTCAGAGACAGTATGTCCGACGCGGTGGAAGCTTTTCT 986
    |||||||
DB 540 CTGTGTCATCTGGAGAACTTCAGAGACAGTATGTCCGACGCGGTGGAAGCTTTTCT 599

QY 987 TCAGCATGTGTCTCTGTGCAACCACTCACCCGCTGCTGATGAAGAAGTGCACCTGA 1046
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DB 600 TCAGCATGTGTCTCTGTGCAACCACTCACCCGCTGCTGATGAAGAAGTGCACCTGA 659
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|----|------|---------------------------------------------------------------|------|
| Qy | 1047 | GGCGGATGAGGAACTGTGAGGAACTGTGAGAGTGAACCTGAGAGAGACATCGCCAGAGGA | 1106 |
| Db | 660 | GGCCGGATGAGAACTGTGAGAACTGTGAGAGTGAACCTGAGAGAGACATCGCCAGAGGA | 719 |
| Qy | 1107 | AAGCCCTCCACCACGAGAGAGAGACACACTCTTAATCTGGCTGACCTTGCAGTGGCCG | 1166 |
| Db | 720 | AAGCCCTCCACCACGAGAGAGAGACACACTCTCTTAATCTGGCTGACCTTGCAGTGGCCG | 779 |
| Qy | 1167 | CCAGGAGAGTTTGGGCCCCAGCGGGGCTCCCTTCTGTGAGACTTTTGGACCCCACTCAGC | 1226 |
| Db | 780 | CCAGGAGAGTTTGGGCCCCAGCGGGGCTCCCTTCTGTGAGACTTTTGGACCCCACTCAGC | 839 |
| Qy | 1227 | ACCAGACACCGGGGCTCCTGTAGACATTGGCAAGAGATGGGCCCAAGAAATTGAGAGA | 1286 |
| Db | 840 | ACCAGACACCGGGGCTCCTGTAGACATTGGCAAGAGATGGGCCCAAGAAATTGAGAGA | 899 |
| Qy | 1287 | GCTTGACAGCAAGCCAGAGAACCTGGGAGCTGTGAGCTGTCTTCTGTGAGAGAGCTCCA | 1346 |
| Db | 900 | GCTTGACAGCAAGCCAGAGAACCTGGGAGCTGTGAGCTGTCTTCTGTGAGAGAGCTCCA | 959 |
| Qy | 1347 | GCATTCCCAAGACTTTTAATCTCCATTAATAAATGGGCTTCTCTGTGTCGCATCTCAGA | 1406 |
| Db | 960 | GCATTCCCAAGACTTTTAATCTCCATTAATAAATGGGCTTCTCTGTGTCGCATCTCAGA | 1019 |
| Qy | 1407 | GTCTGGGAGTGAGTGTGGACTTTAGAGAAAACAATAAAGACATCTCATCAACAGG | 1466 |
| Db | 1020 | GTCTGGGAGTGAGTGTGGACTTTAGAGAAAACAATAAAGACATCTCATCAACAGG | 1079 |
| Qy | 1467 | GTGAAGGTCAAGATTAAGGACAGCTTCTTCAAGGCTGAGGGGGTTCCAGAACCAAGCTGGC | 1526 |
| Db | 1080 | GTGAAGGTCAAGATTAAGGACAGCTTCTTCAAGGCTGAGGGGGTTCCAGAACCAAGCTGGC | 1139 |
| Qy | 1527 | CAAAAATTACACAGAGAGACAGAGTCTCTCCATTGGGGAACAGAGTGAATTGAGAAAGT | 1586 |
| Db | 1140 | CAAAAATTACACAGAGAGACAGAGTCTCTCCATTGGGGAACAGAGTGAATTGAGAAAGT | 1199 |
| Qy | 1587 | GAACTTGGGTGTAGGGAGCCAAATCTGTGACTCTCCAGAACCAATGGAAGCCAGAGAGTC | 1646 |
| Db | 1200 | GAACTTGGGTGTAGGGAGCCAAATCTGTGACTCTCCAGAACCAATGGAAGCCAGAGAGTC | 1259 |
| Qy | 1647 | AGGCTGACCAACACTCAGACTTCTGAAGAGGCCAATGTGTGCGCCGCACATGTTGTAAT | 1706 |
| Db | 1260 | AGGCTGACCAACACTCAGACTTCTGAAGAGGCCAATGTGTGCGCCGCACATGTTGTAAT | 1319 |
| Qy | 1707 | TTTGCTATTTTATTAATCTTGGTTTACTGA 1741 | |
| Db | 1320 | TTTGCTATTTTATTAATCTTGGTTTACTGA 1354 | |

```

RESULT 2
US-09-221-928-10
; Sequence 10, Application US/09221928
; Patent No. 6121030
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: NMT-050
; CURRENT APPLICATION NUMBER: US/09/221,928
; CURRENT FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; EARLIER FILING DATE:
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 1864
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (275) .. (754)
; US-09-221-928-10

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| Query Match | 59.8% | Score 1042.2; | DB 3; | Length 1864; |
| Best Local Similarity | 99.2% | Pred. No. 2.6e-270; | | |
| Matches 1047; | Conservative | 0; | Mismatches 8; | Indels 0; |
| | | | | Gaps 0; |

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| QY | 687 | TCCTCTTAAGTGGAGCATCCCTCTTCTCGGAGACACGAAAGCAGAAACACTGGGCAATA | 746 |
| Db | 300 | TCAGCTTAAGTGGAGCATCCCTCTTCTCGGAGACACGAAAGCAGAAACACTGGGCAATA | 359 |
| QY | 747 | TCACATCAGTGAAGTTAGCACTTGTATGATGAGAAATTTCTTCAGCCATACGACGAGCTGGCCA | 806 |
| Db | 360 | TCACAGCAGTGAAGTTAGCACTTGTATGATGAGAAATTTCTTCAGCCAGACGACGAGCTGGCCA | 419 |
| QY | 807 | AGGACTTTATTCGGAACTTCTGTGTTAAAGAGCCCGGAAAGGGCTCAAAATCCAAAGAG | 866 |
| Db | 420 | AGGACTTTATTCGGAACTTCTGTGTTAAAGAGCCCGGAAAGGGCTCAAAATCCAAAGAG | 479 |
| QY | 867 | CTCTCAGACACCCCTGGATACGCGCGGTGACAAACAGGAACCAATGGTGCCACGGAGT | 926 |
| Db | 480 | CTCTCAGACACCCCTGGATACGCGCGGTGACAAACAGGAACCAATGGTGCCACGGAGT | 539 |
| QY | 927 | CTGTGTCAATCTGAGAACTTCAGGAAGCAGTATGTCCGACGGCGGTGGAAGCTTCTCT | 986 |
| Db | 540 | CTGTGTCAATCTGAGAACTTCAGGAAGCAGTATGTCCGACGGCGGTGGAAGCTTCTCT | 599 |
| QY | 987 | TCAGATTCGTGTCCTCTGTGCAACCACTTCAACCCGCTCGGTATGAAAGAGTGCCTCTGA | 1046 |
| Db | 600 | TCAGATTCGTGTCCTCTGTGCAACCACTTCAACCCGCTCGGTATGAAAGAGTGCCTCTGA | 659 |
| QY | 1047 | GACCGGATGAGAGCTTGAGGAACTGTGAGAGTGCACCTGAGAGAGACATCGCCAGAGAGA | 1106 |
| Db | 660 | GACCGGATGAGAGCTTGAGGAACTGTGAGAGTGCACCTGAGAGAGACATCGCCAGAGAGA | 719 |
| QY | 1107 | AAGCCCTTCACCCACGGAGAGAGACACCTCTTAACTGCGCTGACCTGTGAGTGGCCG | 1166 |
| Db | 720 | AAGCCCTTCACCCACGGAGAGAGACACCTCTTAACTGCGCTGACCTGTGAGTGGCCG | 779 |
| QY | 1167 | CGAGGAGGTTTGGGAGCCACGCGGGGCTCCCTCTGTGACAGACTTTTGGACCCAGCTCAGC | 1226 |
| Db | 780 | CGAGGAGGTTTGGGAGCCACGCGGGGCTCCCTCTGTGACAGACTTTTGGACCCAGCTCAGC | 839 |
| QY | 1227 | ACCAAGACCCGGGAGCTCTAGAGCACTTTGCAAGAGAGATGGGCCCAAGAAATTCAGAGA | 1286 |
| Db | 840 | ACCAAGACCCGGGAGCTCTAGAGCACTTTGCAAGAGAGATGGGCCCAAGAAATTCAGAGA | 899 |
| QY | 1287 | GCTTGCAGGCAAGCCGTGGAGAGCTGTGGCTGTCTTCTGTGAGGAGGCTTCCA | 1346 |
| Db | 900 | GCTTGCAGGCAAGCCGTGGAGAGCTGTGGCTGTCTTCTGTGAGGAGGCTTCCA | 959 |
| QY | 1347 | GCATTCGCCAAGGCTCTTAATTTCTCAATAAATGGGCTTCTCTGTGCTGCCATCCTCAGA | 1406 |
| Db | 960 | GCATTCGCCAAGGCTCTTAATTTCTCAATAAATGGGCTTCTCTGTGCTGCCATCCTCAGA | 1019 |
| QY | 1407 | GTCGGGGTGGAGGTGTGACTTGAAGAAAACAATATAAGACATCTCATCATCAGCGG | 1466 |
| Db | 1020 | GTCGGGGTGGAGGTGTGACTTGAAGAAAACAATATAAGACATCTCATCATCAGCGG | 1079 |
| QY | 1467 | GTTGAAGGTCAAGATTAAGGCAAGCTTTTCAACAGGCTCAAGGGGTTCAAAACCAAGCTGGC | 1526 |
| Db | 1080 | GTTGAAGGTCAAGATTAAGGCAAGCTTTTCAACAGGCTCAAGGGGTTCAAAACCAAGCTGGC | 1139 |
| QY | 1527 | CAAAATTTTACACAGAGAGACAGAGTCTTCCCATTTGGGAAACAGGGTATTTGAGGAAGT | 1586 |
| Db | 1140 | CAAAATTTTACACAGAGAGACAGAGTCTTCCCATTTGGGAAACAGGGTATTTGAGGAAGT | 1139 |
| QY | 1587 | GAACCTTGGGTGTGAGGAGCAATCTGTGACCTTCCAGAACCAATGAAAGCCAGGACGTC | 1646 |
| Db | 1200 | GAACCTTGGGTGTGAGGAGCAATCTGTGACCTTCCAGAACCAATGAAAGCCAGGACGTC | 1259 |
| QY | 1647 | AGGCTGACCAACCTCAGACCTTCTGAGAGAGCCCATTTGCTGGGCCCAATGTTGTAT | 1706 |
| Db | 1260 | AGGCTGACCAACCTCAGACCTTCTGAGAGAGCCCATTTGCTGGGCCCAATGTTGTAT | 1319 |
| QY | 1707 | TTTGCTCATTTTATTAACCTTCTGGTTTAACTGTA | 1741 |

Db 1320 TTGTCTCATTTTATTAACTTGTGTTTACCTGA 1354

RESULT 3

US-09-221-527-10
; Sequence 10, Application US/09221527
; Patent No. 6146832
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: NMI-050
; CURRENT APPLICATION NUMBER: US/09/221,527
; EARLIER FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 10
; LENGTH: 1864
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (275) .. (754)
US-09-221-527-10

Query Match 59.8%; Score 1042.2; DB 3; Length 1864;

Best Local Similarity 99.2%; Pred. No. 2,66-270; Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 687 TCCTCTTAAGTGAAGCATCCCTTTCTGTGAGACACAGACAGAAACACTGCGAATA 746
Db 300 TCACCTTAAGTGAAGCATCCCTTTCTGTGAGACACAGACAGAAACACTGCGAATA 359
Qy 747 TCACATCAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 806
Db 360 TCACAGCAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 419
Qy 807 AGGACTTATTCGGAAGTTCGTGTTAAAGAACCCGGAACCGCTCAATCCAGAGG 866
Db 420 AGGACTTATTCGGAAGTTCGTGTTAAAGAACCCGGAACCGCTCAATCCAGAGG 479
Qy 867 CTCTCAGACACCCCTGTGATCAAGCCGCTGGAACAACAGACAGTGTGCGACGGAGT 926
Db 480 CTCTCAGACACCCCTGTGATCAAGCCGCTGGAACAACAGACAGTGTGCGACGGAGT 539
Qy 927 CTGTGTCATCTGAGAACTTCAGAGAACTGATGTCGAGCGGCTGGAAGCTTTTCT 986
Db 540 CTGTGTCATCTGAGAACTTCAGAGAACTGATGTCGAGCGGCTGGAAGCTTTTCT 599
Qy 987 TCACATCAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 1046
Db 600 TCACATCAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 659
Qy 1047 GAGCGATGAGACCTGAGAACTGTGAGTGAACATGAGAGAGACATGCGCAGAGAGA 1106
Db 660 GAGCGATGAGACCTGAGAACTGTGAGTGAACATGAGAGAGACATGCGCAGAGAGA 719
Qy 1107 AAGCCCTCACCACGAGAGAGAGACAGACCTCTTAAGTGAAGTGAAGTGAAGTGAAG 1166
Db 720 AAGCCCTCACCACGAGAGAGAGACAGACCTCTTAAGTGAAGTGAAGTGAAGTGAAG 779
Qy 1167 CCAGGAGAGTGGGCGCCAGAGGCGCTCTTCTGTGAGACATTTTGAACCAAGTCAAGC 1226
Db 780 CCAGGAGAGTGGGCGCCAGAGGCGCTCTTCTGTGAGACATTTTGAACCAAGTCAAGC 839
Qy 1227 ACCAGACACCCGCGCTCTGTGAGACATTTTGAAGAGATGGGCGCCAGAAATTCAGAGA 1286
Db 840 ACCAGACACCCGCGCTCTGTGAGACATTTTGAAGAGATGGGCGCCAGAAATTCAGAGA 899
Qy 1287 GCTTGACAGCAAGCCAGAGACCTTGAGAGCTGTGCTTTCTGTGAGAGAGGCTTCA 1346

Db 900 CTTGACAGCAAGCCAGAGACCTTGAGAGCTGTGCTTTCTGTGAGAGAGCTTCA 959
Qy 1347 GCATTCACAAAGCTTTTATTTCCATTAATAAGGCTTTCTGTGAGAGAGCTTCA 1406
Db 960 GCATTCACAAAGCTTTTATTTCCATTAATAAGGCTTTCTGTGAGAGAGCTTCA 1019
Qy 1407 GTTGGGGTGGAGTGTGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 1466
Db 1020 GTTGGGGTGGAGTGTGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 1079
Qy 1467 GTGAAGTCAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1526
Db 1080 GTGAAGTCAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1139
Qy 1527 CAAAATTAACACAGAGAGACAGAGTCTCCCATTTGGGAACAGGATGATGAGAAAGT 1586
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Qy 1587 GAACCTTGGTGTGAGGAGCAATCTGTGACCTCCAGAACATGAAAGCCAGAGCTGC 1646
Db 1200 GAACCTTGGTGTGAGGAGCAATCTGTGACCTCCAGAACATGAAAGCCAGAGCTGC 1259
Qy 1647 AGGCTGACCAACACTGACCTTCTGAAGACAGCCATGCTGCGCCCATTTGTAT 1706
Db 1260 AGGCTGACCAACACTGACCTTCTGAAGACAGCCATGCTGCGCCCATTTGTAT 1319
Qy 1707 TTGTGCTATTTTATTAACTTGTGTTTACCTGA 1741
Db 1320 TTGTGCTATTTTATTAACTTGTGTTTACCTGA 1354

RESULT 4

US-09-221-236-10
; Sequence 10, Application US/09221236
; Patent No. 6146841
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: NMI-050
; CURRENT APPLICATION NUMBER: US/09/221,236
; EARLIER FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 10
; LENGTH: 1864
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (275) .. (754)
US-09-221-236-10

Query Match 59.8%; Score 1042.2; DB 3; Length 1864;

Best Local Similarity 99.2%; Pred. No. 2,66-270; Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 687 TCCTCTTAAGTGAAGCATCCCTTTCTGTGAGACACAGACAGAAACACTGCGAATA 746
Db 300 TCACCTTAAGTGAAGCATCCCTTTCTGTGAGACACAGACAGAAACACTGCGAATA 359
Qy 747 TCACATCAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 806
Db 360 TCACAGCAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 419
Qy 807 AGGACTTATTCGGAAGTTCGTGTTAAAGAACCCGGAACCGCTCAATCCAGAGG 866
Db 420 AGGACTTATTCGGAAGTTCGTGTTAAAGAACCCGGAACCGCTCAATCCAGAGG 479
Qy 867 CTCTCAGACACCCCTGTGATCAAGCCGCTGGAACAACAGACAGTGTGCGACGGAGT 926
Db 480 CTCTCAGACACCCCTGTGATCAAGCCGCTGGAACAACAGACAGTGTGCGACGGAGT 539

| | | | | |
|------------------------------------------------------------------------------|------|------------------------------|---------------------------------------|------|
| Qy | 927 | CTGTGTCATCTGGAGAACTTT | CAGAAAGCAATATGTCGAGCGGCTGGAAAGCTTTCT | 986 |
| Db | 540 | CTGTGTCATCTGGAGAACTTT | CAGAAAGCAATATGTCGAGCGGCTGGAAAGCTTTCT | 599 |
| Qy | 987 | TTAGCATGTGTTCCTGTGGCAACCACTT | CACCCGCTGCTGATGAAGAAAGTGCACTGA | 1046 |
| Db | 600 | TTAGCATGTGTTCCTGTGGCAACCACTT | CACCCGCTGCTGATGAAGAAAGTGCACTGA | 659 |
| Qy | 1047 | GGCCGGATGAGAACCTGAGAACTGT | GAGAGTGAACATGAGAGAGACATCCGACAGAGAA | 1106 |
| Db | 660 | GGCCGGATGAGAACCTGAGAACTGT | GAGAGTGAACATGAGAGAGACATCCGACAGAGAA | 719 |
| Qy | 1107 | AAGCCTTCCACCCACGAGAGAGACAG | CACTCTTAACCTGACCTGACCTGACCTGAC | 1166 |
| Db | 720 | AAGCCTTCCACCCACGAGAGAGAGAC | CACTCTTAACCTGACCTGACCTGACCTGAC | 779 |
| Qy | 1167 | CCAGGAGAGTTTGGGCCCCAGCGGGG | CTCCCTTGTGTGAGACTTTTGGACCCAGCTCAGC | 1226 |
| Db | 780 | CCAGGAGAGTTTGGGCCCCAGCGGGG | CTCCCTTGTGTGAGACTTTTGGACCCAGCTCAGC | 839 |
| Qy | 1227 | ACCACACCCGGGCGCTCTGTAGCACT | TTTGGCAAGAGATGGGCCCCAAGAAATTCAGAA | 1286 |
| Db | 840 | ACCACACCCGGGCGCTCTGTAGCACT | TTTGGCAAGAGATGGGCCCCAAGAAATTCAGAA | 899 |
| Qy | 1287 | GCTTGCAGGCAACGACGAGAGACCT | TGGGAGCTGTGCTGTCTTCTGTGAGAGAGCTTCA | 1346 |
| Db | 900 | GCTTGCAGGCAACGACGAGAGACCT | TGGGAGCTGTGCTGTCTTCTGTGAGAGAGCTTCA | 959 |
| Qy | 1347 | GCATTCGCCAAGCTCTTAATTTCCAT | TAATAATGGGCTTCTCTGTGTGCGCATCTGAGA | 1406 |
| Db | 960 | GCATTCGCCAAGCTCTTAATTTCCAT | TAATAATGGGCTTCTCTGTGTGCGCATCTGAGA | 1019 |
| Qy | 1407 | GTCGCGGCTGGAGTGTGGACTTTAG | AAAAACAATAATAAAGACATCTTCATCATCAGGG | 1466 |
| Db | 1020 | GTCGCGGCTGGAGTGTGGACTTTAG | AAAAACAATAATAAAGACATCTTCATCATCAGGG | 1079 |
| Qy | 1467 | GTCGAGTCACAGTAAAGCAAGCTTT | CTTCAACAGCTGAGGGGGTTCCAGAACCAAGCTTGGC | 1526 |
| Db | 1080 | GTCGAGTCACAGTAAAGCAAGCTTT | CTTCAACAGCTGAGGGGGTTCCAGAACCAAGCTTGGC | 1139 |
| Qy | 1527 | CAAAAATTACACAGAGAGACAGAGT | CTCTCCCAATGGGAGACAGAGGTGATTGAGAAAGT | 1586 |
| Db | 1140 | CAAAAATTACACAGAGAGACAGAGT | CTCTCCCAATGGGAGACAGAGGTGATTGAGAAAGT | 1199 |
| Qy | 1587 | GAACTTGGGCTGAGGAGCAATCTGT | GAACCTTCCAGAACATGAAAGCCAGAGCGTC | 1646 |
| Db | 1200 | GAACTTGGGCTGAGGAGCAATCTGT | GAACCTTCCAGAACATGAAAGCCAGAGCGTC | 1259 |
| Qy | 1647 | AGGCTGACCAACACCTCAGACCTT | CTGAGAGAGCCATGTGTGCCCGCCATGTTGTAAT | 1706 |
| Db | 1260 | AGGCTGACCAACACCTCAGACCTT | CTGAGAGAGCCATGTGTGTGCCCGCCATGTTGTAAT | 1319 |
| Qy | 1707 | TTTGCTCATTTTATTAACCTTGTTAC | CTGA 1741 | |
| Db | 1320 | TTTGCTCATTTTATTAACCTTGTTAC | CTGA 1354 | |
| RESULT 5 | | | | |
| US-09-221-416-10 | | | | |
| ; Sequence 10, Application US/09221416 | | | | |
| ; Patent No. 6153417 | | | | |
| ; GENERAL INFORMATION: | | | | |
| ; APPLICANT: Acton, Susan | | | | |
| ; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR | | | | |
| ; FILE REFERENCE: NMI-050 | | | | |
| ; CURRENT APPLICATION NUMBER: US/09/221,416 | | | | |
| ; CURRENT FILING DATE: 1998-12-28 | | | | |
| ; EARLIER APPLICATION NUMBER: 09/163,115 | | | | |
| ; EARLIER FILING DATE: 1998-09-29 | | | | |
| ; NUMBER OF SEQ ID NOS: 15 | | | | |
| ; SOFTWARE: PatentIn Ver. 2.0 | | | | |
| ; SEQ ID NO 10 | | | | |

[illegible]

Db 1200 GAACTTGGGTGTGAGGACCAATCCTGTGACCTCCAGAAACATGAGAACCCAGACGTC 1259
Qy 1647 AGGCTGACCAACACCTGAGACCTTCTGAGAGCAGCCATTGTGGCCGCGCATGTTGTAAT 1706
Db 1260 AGGCTGACCAACACCTGAGACCTTCTGAGAGCAGCCATTGTGGCCGCGCATGTTGTAAT 1319
Qy 1707 TTTGCTCATTTTATTATTAACCTTCTGTGTTTACCTGA 1741
Db 1320 TTTGCTCATTTTATTATTAACCTTCTGTGTTTACCTGA 1354

RESULT 6
US-09-221-245-10

Sequence 10, Application US/09221245
Patent No. 6180358
GENERAL INFORMATION:
APPLICANT: Acton, Susan
TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
FILE REFERENCE: MNI-050
CURRENT APPLICATION NUMBER: US/09/221,245
CURRENT FILING DATE: 1998-12-28
EARLIER APPLICATION NUMBER: US 09/163,115
EARLIER FILING DATE: 1998-09-29
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 10
LENGTH: 1864
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (275) .. (754)
US-09-221-245-10

Query Match 59.8%; Score 1042.2; DB 4; Length 1864;
Best Local Similarity 99.2%; Pred. No. 2.6e-270;
Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 687 TCCTCTTAAGTGGAGCATCCCTTCTGGGAGACAGAAAGAGAAACACTGGCAATA 746
Db 300 TCAGCTTAAGTGGAGCATCCCTTCTGGGAGACAGAAAGAGAAACACTGGCAATA 359
Qy 747 TCACATCAGTAGTATGACATTTGATGAGAAATCTTCAGCCATGAGCGAGTGGCCA 806
Db 360 TCACAGCAGTAGTATGACATTTGATGAGAAATCTTCAGCCAGACGAGCGAGTGGCCA 419
Qy 807 AGGACTTATTTCGGAAGCTTCTGTGTTAAAGAGACCCGGAACGGCTCACAATCCAAGAG 866
Db 420 AGGACTTATTTCGGAAGCTTCTGTGTTAAAGAGACCCGGAACGGCTCACAATCCAAGAG 479
Qy 867 CTCACAGACACCCCTGATCAGCCGCGGTGAGAACACAGAGCCATGTGTGACGCGGAGT 926
Db 480 CTCACAGACACCCCTGATCAGCCGCGGTGAGAACACAGAGCCATGTGTGACGCGGAGT 539
Qy 927 CTGTGTCATATCTGAGAACTTCAGAGAGCAGTATGTCCGAGCGGCGTGAAGCTTTTCT 986
Db 540 CTGTGTCATATCTGAGAACTTCAGAGAGCAGTATGTCCGAGCGGCGTGAAGCTTTTCT 599
Qy 987 TCAGATCGTGTCCCTGTGCAACCACTCAACCGCTCGGTGAAGAAAGGTGACCTGA 1046
Db 600 TCAGATCGTGTCCCTGTGCAACCACTCAACCGCTCGGTGAAGAAAGGTGACCTGA 659
Qy 1047 GGCAGGAGAGAGACCTGAGAGAACTGTGAGAGTGAACATGAGAGACATCCGACAGAGA 1106
Db 660 GGCAGGAGAGAGACCTGAGAGAACTGTGAGAGTGAACATGAGAGACATCCGACAGAGA 719
Qy 1107 AAGCCCTCACCCAGAGAGAGAGAGACAGCACTCTTAAGTGGCTGAGCCTGAGTGGCG 1166
Db 720 AAGCCCTCACCCAGAGAGAGAGAGAGACAGCACTCTTAAGTGGCTGAGCCTGAGTGGCG 779
Qy 1167 CCAAGGAGGTTTGGGCGGAGCGGAGCTCCCTTCTGTGACAGCTTTTGAACCCAGCTCAGC 1226

Db 760 CCAAGGAGGTTTGGGCGGAGCGGAGCTCCCTTCTGTGACAGCTTTTGAACCCAGCTCAGC 839
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Db 840 ACCAGACCCCGGCGCTCTCTGAGCACTTTGCAAGAGATGGGCCAGAAATTTCAGAGA 899
Qy 1287 GCTTGACAGCAACCCAGAGAACCTCTGGAGCTGTGGCTCTTCTGTGAGAGGCTCCA 1346
Db 900 GCTTGACAGCAACCCAGAGAACCTCTGGAGCTGTGGCTCTTCTGTGAGAGGCTCCA 959
Qy 1347 GCATTCCCAAGCTTTTAATTCATTAATATGGCTTTCTCTGTCTGCTCATCTCAGA 1406
Db 960 GCATTCCCAAGCTTTTAATTCATTAATATGGCTTTCTCTGTCTGCTCATCTCAGA 1019
Qy 1407 GTCGAGGTTGGAGTGTGAGACTTAGAGAAACAAATTAAGAGCATCTCATCATCAGCG 1466
Db 1020 GTCGAGGTTGGAGTGTGAGACTTAGAGAAACAAATTAAGAGCATCTCATCATCAGCG 1079
Qy 1467 GTGAAGTCAAGTAAAGCAGCTTCTTCAAGCTGAGGGGTTCAGAACCAAGCTGCG 1526
Db 1080 GTGAAGTCAAGTAAAGCAGCTTCTTCAAGCTGAGGGGTTCAGAACCAAGCTGCG 1139
Qy 1527 CAAAAATTACACAGAGAGACAGAGTCTCCCATTTGGGAAACAGGCTGATTGAGAAAGT 1586
Db 1140 CAAAAATTACACAGAGAGACAGAGTCTCCCATTTGGGAAACAGGCTGATTGAGAAAGT 1199
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Db 1200 GAACCTGGGTGTGAGGAGACCAATCTGTGACCTCCAGAACCATGGAAGCCAGACGTC 1259
Qy 1647 AGGCTGACCAACACCTGAGACCTTCTGAGAGAGCCCATTTGTGGCCGCGCATGTTGTAAT 1706
Db 1260 AGGCTGACCAACACCTGAGACCTTCTGAGAGAGCCCATTTGTGGCCGCGCATGTTGTAAT 1319
Qy 1707 TTTGCTCATTTTATTATTAACCTTCTGTGTTTACCTGA 1741
Db 1320 TTTGCTCATTTTATTATTAACCTTCTGTGTTTACCTGA 1354

RESULT 7
US-09-163-115-10

Sequence 10, Application US/09163115A
Patent No. 6183962
GENERAL INFORMATION:
APPLICANT: Acton, Susan
TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
FILE REFERENCE: MNI-050
CURRENT APPLICATION NUMBER: US/09/163,115A
CURRENT FILING DATE: 1998-09-29
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 10
LENGTH: 1864
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (275) .. (754)
US-09-163-115-10

Query Match 59.8%; Score 1042.2; DB 4; Length 1864;
Best Local Similarity 99.2%; Pred. No. 2.6e-270;
Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 687 TCCTCTTAAGTGGAGCATCCCTTCTGGGAGACAGAAAGAGAAACACTGGCAATA 746
Db 300 TCAGCTTAAGTGGAGCATCCCTTCTGGGAGACAGAAAGAGAAACACTGGCAATA 359
Qy 747 TCACATCAGTAGTATGACATTTGATGAGAAATCTTCAGCCATGAGCGAGTGGCCA 806
Db 360 TCACAGCAGTAGTATGACATTTGATGAGAAATCTTCAGCCAGACGAGCTGGCCA 419
Qy 807 AGGACTTATTTCGGAAGCTTCTGTGTTAAAGAGACCCGGAACGGCTCACAATCCAAGAG 866

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Db 420 AGGACTTTATTCGGAAGCTTCTGTTAAAGAGACCCGGAAGGCTCACATATCAAGAGG 479
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Db 480 CTCTCAGACACCCCTGGATATACCCCGGTGACACACGACGACATGTTGCGAGCGGAGT 539
Qy 927 CTGTGTCATCTGAGAACTTCAGAAAGCATATGTCGCGAGCGGAGTTCCTTCT 986
Db 540 CTGTGTCATCTGAGAACTTCAGAAAGCATATGTCGCGAGCGGAGTTCCTTCT 599
Qy 987 TCAGCATCTGTCTCTGTGCAACCTCAACCCGCTCGCTGATGAAGAGTTCACCTGA 1046
Db 600 TCAGCATCTGTCTCTGTGCAACCTCAACCCGCTCGCTGATGAAGAGTTCACCTGA 659
Qy 1047 GGGCCGATGAGAGCTGAGAGAACTGAGAGTACACTGAGAGAGACATTCGCCAGAGGA 1106
Db 660 GGGCCGATGAGAGCTGAGAGAACTGAGAGTACACTGAGAGAGACATTCGCCAGAGGA 719
Qy 1107 AAGCCCTCCACCCACGAGAGAGAGACGACCTCTAACTGGCCCTGACCTGACAGTGGCCG 1166
Db 720 AAGCCCTCCACCCACGAGAGAGAGAGACGACCTCTAACTGGCCCTGACCTGACAGTGGCCG 779
Qy 1167 CCAAGGAGGTTTGGGCCCCAGCGGGGCTCCCTTCTGTGCAAGACTTTTGAACCCAGCTCAGC 1226
Db 780 CCAAGGAGGTTTGGGCCCCAGCGGGGCTCCCTTCTGTGCAAGACTTTTGAACCCAGCTCAGC 839
Qy 1227 ACCAGACCCGCGGCTGTCAGAGACTTTGCAAGAGAGATGGGCCCAAGGAATTCAGAAAG 1286
Db 840 ACCAGACCCGCGGCTGTCAGAGACTTTGCAAGAGAGATGGGCCCAAGGAATTCAGAAAG 899
Qy 1287 GCTTGGAGGCAAGCCAGAGAGACCTTGGAGAGTGTGCTGTCTTCTGTGAGAGAGGCTCCA 1346
Db 900 GCTTGGAGGCAAGCCAGAGAGACCTTGGAGAGTGTGCTGTCTTCTGTGAGAGAGGCTCCA 959
Qy 1347 GCATTCCTCAAAAGCTCTTAATTCTCCATAAATGGGCTTTCCTGTGTCTGCCATTCCTAGA 1406
Db 960 GCATTCCTCAAAAGCTCTTAATTCTCCATAAATGGGCTTTCCTGTGTCTGCCATTCCTAGA 1019
Qy 1407 GTCTGGGGTGGAGTGTGACTTTAGGAAACAAATATTAAGAGACATTCATATCACCGGG 1466
Db 1020 GTCTGGGGTGGAGTGTGACTTTAGGAAACAAATATTAAGAGACATTCATATCACCGGG 1079
Qy 1467 GTGAAGTCAAGTAAGGAGGCTTCTTCAAGGCTGAGGGGTTTCAAGAACGAGCTGGC 1526
Db 1080 GTGAAGTCAAGTAAGGAGGCTTCTTCAAGGCTGAGGGGTTTCAAGAACGAGCTGGC 1139
Qy 1527 CAATAATTAACACGAGAGACAGAGTCTCCCATTTGGGAAACAGGGTGAATTGAGAAAGT 1586
Db 1140 CAATAATTAACACGAGAGACAGAGTCTCCCATTTGGGAAACAGGGTGAATTGAGAAAGT 1199
Qy 1587 GAACCTTGGGTGAGAGACCAATCCTGTGACCTCCACAGAACCATGGAAGCCAGAGAGCTG 1646
Db 1200 GAACCTTGGGTGAGAGACCAATCCTGTGACCTCCACAGAACCATGGAAGCCAGAGAGCTG 1259
Qy 1647 AGCTGACCAACACCTCAGACCTTCTGAAAGAGCCCATTTGCGCCCGCCATGTTGTAT 1706
Db 1260 AGCTGACCAACACCTCAGACCTTCTGAAAGAGCCCATTTGCGCCCGCCATGTTGTAT 1319
Qy 1707 TTTGCTCATTTTATTAACCTTCTGTTTACCTGA 1741
Db 1320 TTTGCTCATTTTATTAACCTTCTGTTTACCTGA 1354

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RESULT 8
US-09-221-528-10
Sequence 10, Application US/09221528

Parent No. 6190874
GENERAL INFORMATION:
APPLICANT: Acton, Susan
TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
FILE REFERENCE: MNI-050
CURRENT APPLICATION NUMBER: US/09/221,528

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; CURRENT FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; EARLIER FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 1864
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (275)..(754)
US-09-221-528-10

Query Match 59.8%; Score 1042.2; DB 4; Length 1864;
Best Local Similarity 99.28; Pred. No. 2.6e-270;
Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 687 TCCTCTTAAGTGAAGCATCCCTTTCTCTGGAGACAGAGAGAGAACTGGCAATA 746
Db 300 TCAGCTTAAGTGAAGCATCCCTTTCTCTGGAGACAGAGAGAGAACTGGCAATA 359
Qy 747 TCACATCAGTAGTTACGACTTTGATGAGAAATTTCTGAGCCATACGAGAGCTGGCCA 806
Db 360 TCACAGCAGTAGTTACGACTTTGATGAGAAATTTCTGAGCCATACGAGAGCTGGCCA 419
Qy 807 AGGACTTATTCGGAAGCTTCTGTGTTAAAGAGACCCGGAACGGCTCAATTCGAAGG 866
Db 420 AGGACTTATTCGGAAGCTTCTGTGTTAAAGAGACCCGGAACGGCTCAATTCGAAGG 479
Qy 867 CTCTCAGACACCCCTGGATATACCCCGGTGACACACGACGACATGTTGCGAGCGGAGT 926
Db 480 CTCTCAGACACCCCTGGATATACCCCGGTGACACACGACGACATGTTGCGAGCGGAGT 539
Qy 927 CTGTGTCATCTGAGAACTTCAGAAAGCATATGTCGCGAGCGGAGTTCCTTCT 986
Db 540 CTGTGTCATCTGAGAACTTCAGAAAGCATATGTCGCGAGCGGAGTTCCTTCT 599
Qy 987 TCAGCATCTGTCTCTGTGCAACCTCAACCCGCTCGCTGATGAAGAGTTCACCTGA 1046
Db 600 TCAGCATCTGTCTCTGTGCAACCTCAACCCGCTCGCTGATGAAGAGTTCACCTGA 659
Qy 1047 GGGCCGATGAGAGCTGAGAGAACTGAGAGTACACTGAGAGAGACATTCGCCAGAGGA 1106
Db 660 GGGCCGATGAGAGCTGAGAGAACTGAGAGTACACTGAGAGAGACATTCGCCAGAGGA 719
Qy 1107 AAGCCCTCCACCCACGAGAGAGAGACGACCTCTTAACTGGCTGACCTGACAGTGGCCG 1166
Db 720 AAGCCCTCCACCCACGAGAGAGAGAGACGACCTCTTAACTGGCTGACCTGACAGTGGCCG 779
Qy 1167 CCAGGAGAGTGGGAGCCAGAGGGGCTCCCTTCTGTGAGACTTTTGAACCCAGCTCAGC 1226
Db 780 CCAGGAGAGTGGGAGCCAGAGGGGCTCCCTTCTGTGAGACTTTTGAACCCAGCTCAGC 839
Qy 1227 ACCAGACCCGCGGCTGTCAGAGACTTTGCAAGAGAGATGGGCCCAAGGAATTCAGAAAG 1286
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QY 1647 AGGCTGACCAACACTCAGACCTTGTGAAGCAGCCATTTGGCGCCGCAATGTTGTAAT 1706
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QY 1707 TTTGCTCATTTTATTAACTTCTGTGTTTACCTGA 1741
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Db 1320 TTTGCTCATTTTATTAACTTCTGTGTTTACCTGA 1354
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RESULT 9
US-09-593-553-10
; Sequence 10, Application US/09593553
; Patent No. 6200770
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: NMI-050
; CURRENT APPLICATION NUMBER: US/09/593,553
; CURRENT FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: 09/163,115
; PRIOR FILING DATE: 1998-09-28
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 1864
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (275)..(754)
US-09-593-553-10
Query Match 59.8%; Score 1042.2; DB 4; Length 1864;
Best Local Similarity 99.2%; Pred. No. 2.6e-270;
Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1107 AAGCCTTCACCCACGAGAGAGAGACACCTCTTAATCTGCTGACCTGACAGTGGCCG 1166
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Db 720 AAGCCTTCACCCACGAGAGAGAGACACCTCTTAATCTGCTGACCTGACAGTGGCCG 779
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QY 1167 CCAGGAGAGTTTGGGCCCCAGGGGGCTCCCTTCTGTGACACTTTTGGACCCAGCTGAC 1226
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Db 780 CCAGGAGAGTTTGGGCCCCAGGGGGCTCCCTTCTGTGACACTTTTGGACCCAGCTGAC 839
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QY 1227 ACCAGACCCCGGGGCTCCTGACACTTTGCAAGAGATGGGCCCAAGAAATTCAGAA 1286
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Db 840 ACCAGACCCCGGGGCTCCTGACACTTTGCAAGAGATGGGCCCAAGAAATTCAGAA 899
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QY 1287 GCTTGACAGCAAGCCAGAGACCTTGAGAGCTGTGCTGCTTCTGTGAGAGAGCTTCA 1346
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QY 1707 TTTGCTCATTTTATTAACTTCTGTGTTTACCTGA 1741
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Db 1320 TTTGCTCATTTTATTAACTTCTGTGTTTACCTGA 1354
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RESULT 10
US-09-221-237-10
; Sequence 10, Application US/09221237
; Patent No. 6214597
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: NMI-050
; CURRENT APPLICATION NUMBER: US/09/221,237
; CURRENT FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; EARLIER FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 1864
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (275)..(754)
US-09-221-237-10
Query Match 59.8%; Score 1042.2; DB 4; Length 1864;
Best Local Similarity 99.2%; Pred. No. 2.6e-270;
Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;


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Db 300 TCAGCTTAAGTGAAGCATCCCTTCTCGTGGAGACAGAAAGAGAACTATGGCAATA 359
Qy 747 TCACATCAAGTGAATACGACTTTGATGAGAAATCTTACGCCATACGAGCGAGCTGGCCA 806
Db 360 TCACAGCAGTGAATGATGAGAAATCTTACGCCATACGAGCGAGCTGGCCA 419
Qy 807 AGGACTTATGGAAGCTTGTGTTAAAGAACCCGGAAAGGCTCCAAATCCAAAGAG 866
Db 420 AGGACTTATGGAAGCTTGTGTTAAAGAACCCGGAAAGGCTCCAAATCCAAAGAG 479
Qy 867 CTCTGAGACACCCCTGATCAGCCGCTGAGAACCAACGAGCAATGGTCCGAGCGAGT 926
Db 480 CTCTGAGACACCCCTGATCAGCCGCTGAGAACCAACGAGCAATGGTCCGAGCGAGT 539
Qy 927 CTGTGTCAATCTGAGAACTTCAGAAAGCATATGTCCGAGCGGCTGGAAGCTTTCT 986
Db 540 CTGTGTCAATCTGAGAACTTCAGAAAGCATATGTCCGAGCGGCTGGAAGCTTTCT 599
Qy 987 TCAGCATGCTGCTCCGTGCAACCACTCAGCCGCTGCTGATGAAAGAGTGCACTGA 1046
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Qy 1167 CCAGGAGAGTGTGGGCGCCAGCGGGCTCCCTCTGTGAGACTTTTGGACCCAGCTCAGC 1226
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Db 1260 AGGCTGACCAACACTGAGACCTTGTGAAGCAGGCCATTTGGGCCCGGCAATGGTAT 1319
Qy 1707 TTTGCTCAATTTTATTAACCTTGTGTTACTGA 1741
Db 1320 TTTGCTCAATTTTATTAACCTTGTGTTACTGA 1354
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RESULT 11

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US-09-159-385-3
; Sequence 3, Application US/09159385
; Patent No. 5958748
; GENERAL INFORMATION:
; APPLICANT: AKIRA, SHIZUO
; TITLE OF INVENTION: DNA CODING FOR SERINE/THREONINE KINASE
; FILE REFERENCE: PH-569
; CURRENT APPLICATION NUMBER: US/09/159,385
; EARLIER APPLICATION NUMBER: JP97/261589
; EARLIER FILING DATE: 1997-09-26
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 2132
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (94)..(1455)
US-09-159-385-3

Query Match 29.6%; Score 515.6; DB 2; Length 2132;
Best Local Similarity 76.1%; Pred. No. 7.3e-129;
Matches 635; Conservative 0; Mismatches 199; Indels 0; Gaps 0;

Qy 61 CATGAGCATTTCAAGACGAGAAAGTGTGAGAGACTTTTATGACATCCGAGAGAGCTGGG 120
Db 93 CATGTCCAGTTCAGGACGAGGAGCGTGTGAGAGACCATTTATAGATGGGAGAGCTGGG 152
Qy 121 GAGTGGCCAGTATTCCATCTGTAAGAAAGTGTGGGAGAGAGCAGCGGGCTTGAATAGC 180
Db 153 CAGCGGCCAGTTCGATCTGTGCGGAAGTGTCCGCAAGAGGCGCAGGAGAGAGTACG 212
Qy 181 AGCCAAGTTCATCAAGAAAGCGGAGAGCGGCGAGCGCGGTGTGACCCGAGAGA 240
Db 213 AGCCAAGTTCATCAAGAAAGCGGCGAGCGGCGGTGTGACCGGAGAGA 272
Qy 241 GATGAGGAGGAGTGTGAGCATCTTCCGAGAGTGTGTGACACCAATGTGATCAGCTGCA 300
Db 273 GATGAGGAGGAGTGTGAGCATCTTCCGAGAGTGTGTGACACCAATGTGATCAGCTGCA 332
Qy 301 CGAGCTCTATGAGAACGAGCAGAGTGTGATCATCTTGTGAGTGTGTGAGAGAGA 360
Db 333 CGAGCTCTATGAGAACGAGCAGAGTGTGATCATCTTGTGAGTGTGTGAGAGAGA 392
Qy 361 GCTCTTGATTTCTGTGCGCCAGAAAGAGTCACTGAGTGTGAGAGAGGCGACAGCTTCAT 420
Db 393 GCTCTTGATTTCTGTGCGCGAGAAAGAGTGTGAGTGTGAGAGAGGCGACAGCTTCAT 452
Qy 421 TAAAGAGTCTCTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGT 480
Db 453 CAAGAGTCTCTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGT 512
Qy 481 CAAGCAGAAAACATTAATGTTGTGAGCAAGAAATATTCATCCATCAACATCAAGCTGAT 540
Db 513 GAAGCCGAGAAAACATTAATGTTGTGAGCAAGAAATATTCATCCATCAACATCAAGCTGAT 572
Qy 541 TGACTTTGGTGTGCTCGAAGATGAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGT 600
Db 573 CGACTTGGCATTCGCGCAGAGATGAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGT 632
Qy 601 GCGGGAATTTTGTCTCCAGAAATTTGAGAAATTAAGAGCCCTGGGTGTGAGAGCTGAGAT 660
Db 633 CCGGAGTTTGTGCGCCAGAGATTTGAGAAATTTGAGAGCCCTGGGTGTGAGAGCTGAGAT 692
Qy 661 GTGAGCATAGGCTCATCATCTTATCTTAAAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGT 720
Db 693 GTGAGCATAGGCTCATCATCTTATCTTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGT 752
Qy 721 CACGAAGCAGAAAACATGCGAAATATCATCATGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGT 780
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Db 753 GACCAAGCAGAGACGCTCACCAACATCTCAGCCGTGAATCAAGACTTTCAGAGAGACTA 812
Qy 781 CTTGAGCCATACGAGCGAGCTGGCCCAAGACTTTATTCGSAAGCTTGTGTTAAGAGAC 840
Db 813 CTTGAGCAACACGAGCGAGCTGGCCCAAGACTTTCATTCGCGCGCTGTCTGCTCAAGATCC 872
Qy 841 CCGGAACGGCTCACATTCAGAGAGCTTCAGACACCCCTGGATCAGCCGGT 894
Db 873 CAAGCGAGAAATGACCATTTGCCCAAGAGCTTGAAATTCCTGATTAAGGCGAT 926

RESULT 12

US-09-186-277-3
; Sequence 3, Application US/09186277
; Patent No. 6171841
; GENERAL INFORMATION:
; APPLICANT: AKIRA, SHIZUO
; APPLICANT: KAWAI, TARO
; TITLE OF INVENTION: DNA CODING FOR SERINE/THREONINE KINASE
; FILE REFERENCE: 081356/0128
; CURRENT APPLICATION NUMBER: US/09/186,277
; EARLIER FILING DATE: 1998-11-05
; EARLIER APPLICATION NUMBER: JP97/261589
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 2132
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (94)..(1455)
US-09-186-277-3

Query Match 29.6%; Score 515.6; DB 4; Length 2132;
Best Local Similarity 76.1%; Pred. No. 7.3e-129;
Matches 635; Conservative 0; Mismatches 199; Indels 0; Gaps 0;

Qy 61 CATGAGCCATTCAAGCAGCAGAGAGAGAGACTTTATGACATCCGAGAGAGAGACTGG 120
Db 93 CATGTCACGTTTCAAGCAGCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 152
Qy 121 GAGTGGCCAGTTTGCATCTGTAAGAAGTCCCGGAGAGAGAGAGAGAGAGAGAGAGAG 180
Db 153 CAGCGGCCAGTTTGCATCTGTAAGAAGTCCCGGAGAGAGAGAGAGAGAGAGAGAGAG 212
Qy 181 AGCCAAGTTTCATCAAGAGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 240
Db 213 AGCCAAGTTTCATCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 272
Qy 241 GATGAGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 300
Db 273 GATGAGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 332
Qy 301 CGAGCTCATATGAGAACCGCAGCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 360
Db 333 CGAGCTCATATGAGAACCGCAGCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 392
Qy 361 GCTCTTCATTTCTGCGCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 420
Db 393 GCTCTTCATTTCTGCGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 452
Qy 421 TAAAGAGATCTGAGATGGGGTGAATCTTACCTTACCAAGAGAGAGAGAGAGAGAGAG 480
Db 453 CAAGAGAGATCTGAGAGCGGCTTCACTTACCTTAAAGAGAGAGAGAGAGAGAGAGAG 512
Qy 481 CAAGCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 540
Db 513 GAAGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 572
Qy 541 TGACTTTGGCTGCTGCTCAGAAATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 600

Db 573 GCACCTCGGATTCGGCAGCAAGATTCAGCGCGGAGAGAGAGTTTCAAGAAATCTTCGCGAC 632
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Db 633 CCCGAGATTTGTGCTCCAGAGATTTGTAAGTACAGAGCCCTGGGTCTGAGAGCGGACAT 692
Qy 661 GTGAGCATYAGCGCTCATCTACCTTATCTTAAAGTGAAGCATCCCTTTCTGGGAGA 720
Db 693 GTGAGCATYAGGTGTCATCACTTATCTCTGAGCGGTGATCCCGCTTCTGGGAGA 752
Qy 721 CACGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 780
Db 753 GACCAAGCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 812
Qy 781 CTTGAGCCATACGAGCGAGCTGGCCCAAGACTTTATTCGSAAGCTTGTGTTAAGAGAC 840
Db 813 CTTGAGCAACACGAGCGAGCTGGCCCAAGACTTCTTTCGCGGCTGTCTGCTCAAGATCC 872
Qy 841 CCGGAACGGCTCACATTCAGAGAGCTTCAGACACCCCTGGATCAGCCGGT 894
Db 873 CAAGCGAGAAATGACCATTTGCCCAAGAGCTTGAAATTCCTGATTAAGGCGAT 926

RESULT 13

US-09-159-385-4
; Sequence 4, Application US/09159385
; Patent No. 5958748
; GENERAL INFORMATION:
; APPLICANT: AKIRA, SHIZUO
; APPLICANT: KAWAI, TARO
; TITLE OF INVENTION: DNA CODING FOR SERINE/THREONINE KINASE
; FILE REFERENCE: PH-569
; CURRENT APPLICATION NUMBER: US/09/159,385
; EARLIER FILING DATE: 1998-09-23
; EARLIER APPLICATION NUMBER: JP97/261589
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 1429
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (10)..(1353)
US-09-159-385-4

Query Match 29.5%; Score 513.8; DB 2; Length 1429;
Best Local Similarity 76.2%; Pred. No. 1.9e-128;
Matches 632; Conservative 0; Mismatches 197; Indels 0; Gaps 0;

Qy 61 CATGAGCCATTCAAGCAGCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 120
Db 9 CATGTCACATTTCAAGCAGCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 68
Qy 121 GAGTGGCCAGTTTGCATCTGTAAGAAGTCCCGGAGAGAGAGAGAGAGAGAGAGAGAG 180
Db 129 GAGTGGCCAGTTTGCATCTGTAAGAAGTCCCGGAGAGAGAGAGAGAGAGAGAGAGAG 128
Qy 181 AGCCAAGTTTCATCAAGAGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 240
Db 129 AGCCAAGTTTCATCAAGAGCGGCGCTCTCCATCCAGCGGCGGTGTGAGCCGGAGAG 188
Qy 241 GATGAGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 300
Db 189 GATGAGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 248
Qy 301 CGAGCTCATATGAGAACCGCAGCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 360
Db 249 TGACGTGTCAGAGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 308
Qy 361 GCTCTTCATTTCTGCGCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 420

Db 309 GCTTTTCAGCTTCTGGCCGAGAGAGATCATTTAGCGAGATGAGCCACGACTTCT 368
Qy 421 TAAGAGATCTGAGTGGGGTGAACCTTACACCAAGAAATTTGCTCACTTGAAT 480
Db 369 CAACCAATCTGAGCGGTGTCCACTCACTCAAGCCATGACACACTTGAAT 428
Qy 481 CAAGCCAGAAAATTATGTTGTTAGACAAATATTTCCATTTCCACATCACTGAT 540
Db 429 GAAGCCCGAGAACATCATGTTGTGGACAAAGCAGCAGCCCGCATTAAGTCTAT 488
Qy 541 TGACTTTGCTGCTGCTACAGAAATAGATGAGATTGAATTTAAGATATTTTGGAC 600
Db 489 CGACTTTGGCATTCGGCAGAGATCGAGCTGGCAGCTTCAAGAACATCTTTGGCAC 548
Qy 601 GCCGGAATTTGTTGCTCCAGAAATTTGAACTACGAGCCCTGGGCTGGAGCTGACAT 660
Db 549 ACCCGAGTTTTCGCCCCCGAGATGTGAATGAGCCACTTGGCTTGAAGCTGACAT 608
Qy 661 GTGAGCATAGGCGTTCATCACTTCTCTTAAGTGAAGCATCCCTTTCTGGAGAG 720
Db 609 GTGAGCATTTGGCGTTCATCACTTCTCTGAGCGGAGGCTCCCATTTCTGGGCGA 668
Qy 721 CACGAAGCAGGAAACATGCGAAATATTCATCATGAGTTACGACTTTGATGAGAAAT 780
Db 669 GACCAAGCAGAGAGCGTGCACGAACATTCACAGAGTGAATGATGATGAGAAAT 728
Qy 781 CTTCAGCATAGGAGAGCTGAGCTGAGCACTTTATTTGGAGCTTCTGTTAAAGAGAC 840
Db 729 CTTCAGCAGACACAGGAGCTGAGCACTTTATTTCCGAGAGCTGCTGCTGAAGAGCC 788
Qy 841 CCGGAAACGGCTCACATTCAGAGGCTTCAAGACCCCTGATCAG 889
Db 789 CAAGAGAGAGATGACCATGACAGAGCTGAGCATTTCTGATCAAG 837

RESULT 14

US-09-186-277-4
; Sequence 4, Application US/09186277
; Patent No. 6171841
; GENERAL INFORMATION:
; APPLICANT: AKIRA, SHIZUO
; APPLICANT: KAMAI, TARO
; TITLE OF INVENTION: DNA CODING FOR SERINE/THREONINE KINASE
; FILE REFERENCE: 081356/0128
; CURRENT APPLICATION NUMBER: US/09/186,277
; CURRENT FILING DATE: 1998-11-05
; EARLIER APPLICATION NUMBER: JP97/261589
; EARLIER FILING DATE: 1997-09-26
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 1429
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (10)..(1353)
US-09-186-277-4

Query Match

29.5%; Score 513.8; DB 4; Length 1429;
Best Local Similarity 76.2%; Pred. No. 1.9e-128;
Matches 632; Conservative 0; Mismatches 197; Indels 0; Gaps 0;

Qy 61 CATGAGCATTCAGACGACAGAGAGTGGAGACTTTTATGATCGAGAGAGCTGGG 120
Db 9 CATGTCACATTCAGAGCAAGAGATGTTAGAACATTTATGATGGAGAGAGACTTGG 68
Qy 121 GATGGCCAGTTTGCATCTGTAAGAAGTCCGGAGAGAAAGACAGCGGCTTGAATGC 180
Db 69 CAGTGGCCAAATTTGCATCTGTCGCAAGTCCAGAGAAAGGAGCGGGATGATGATGC 128
Qy 181 AGCCAATTCATCAAGAGCGGAGAGCGGCGGCGGCTGTGAGCCGGAGAGA 240

Db 129 AGCCAATTCATCAAGAGCGGCGGCTGTCATCCAGCCGCGGCTGTAGCCGGAGGA 188
Qy 241 GATGAGGGAGAGTGAACATCTTGGCGAGTGTGTGACCAATGTCATCAGCTCA 300
Db 189 GATGAGCGAGAGTGAACATCTTGGCGAGATCCGACCCCAACATCAATCACTCA 248
Qy 301 CGAGCTCATGAGAACCGCACCGAGTGTGACATCTTGAAGTGTGTGAGAGAGA 360
Db 249 TGACGTGTGAGAAACAAGACAGATGTGTCTGATCTTGAAGCTGTGTCCGGTGGGA 308
Qy 361 GCTCTGATTTCTTGGCCAGAAAGAGTCACTGATGAGAGAGGCGACAGCTTCAAT 420
Db 309 GCTTTTCACATCTTGGCGGAGAGAGTCAATTAAGAGATGAGGCGACAGATTTCT 368
Qy 421 TAAGAGATCTTGAATGGGGGGAATCACTTACACAAAGAAATTTGCTCATTTGATCT 480
Db 369 CAACCAATCTGAGCGGTGTCCACTACTCTGACCTCCAGGCGCATGCACTTTGACCT 428
Qy 481 CAAGCCAGAAAATTATGTTGTTAGACAAATATTTCCATTTCCACATCAAGCTGAT 540
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Db 489 CGACTTTGGCATTCGGCAGAGATCGAGCTGGCAGCGAGTTCAAGAACATCTTTGGCAC 548
Qy 601 GCCGGAATTTTGTCTCCAGAAATTTGAACTAGAGCCCTGGGCTGAGAGCTGACAT 660
Db 549 ACCCGAGTTTTCGCCCCCGAGATGTGAATGAGCACTTGGCTTGAAGCTGACAT 608
Qy 661 GTGAGCATAGGCGTTCATCACTTCTCTTAAGTGAAGCATCCCTTTCTGGAGAG 720
Db 609 GTGAGCATTTGGCGTTCATCACTTCTCTGAGGAGGAGCGTCCCATTTCTGGGCGA 668
Qy 721 CACGAAGCAGGAAACATGCGAAATATTCATCATGAGTTACGACTTTGATGAGAAAT 780
Db 669 GACCAAGCAGAGAGCGTGCAGAACATTCACAGAGTGAATGATGATGAGAAAT 728
Qy 781 CTTCAGCATAGGAGAGCTGAGCTGAGCACTTTATTTGGAGCTTCTGTTAAAGAGAC 840
Db 729 CTTCAGCAGACACAGGAGCTGAGCACTTTATTTCCGAGAGCTGCTGCTGAAGAGCC 788
Qy 841 CCGGAAACGGCTCACATTCAGAGGCTTCAAGACCCCTGATCAG 889
Db 789 CAAGAGAGAGATGACCATGACAGAGCTGAGCATTTCTGATCAAG 837

RESULT 15

US-08-631-097-3
; Sequence 3, Application US/08631097
; Patent No. 5968816
; GENERAL INFORMATION:
; APPLICANT: Kimchi, Adi
; TITLE OF INVENTION: Tumor Suppressor Genes,
; TITLE OF INVENTION: Protein Encoded Thereby, and Use of Said Genes and Protein
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wigman, Cohen, Leitner, & Myers, P.C.
; STREET: 900 17th Street, N.W., Suite 1000
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20006

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/631,097
FILING DATE: 12-Apr-96
CLASSIFICATION: 514
PRIOR APPLICATION DATA:

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APPLICATION NUMBER: PCT/US94/11598
FILING DATE: 12-Oct-94
ATTORNEY/AGENT INFORMATION:
NAME: Cohen, Herbert
REGISTRATION NUMBER: 25,109
REFERENCE/DOCKET NUMBER: 0744.057
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)463-7700
TELEFAX: (202)473-6915
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 4935 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: Genomic DNA
HYPOTHETICAL: No
ANTI-SENSE: No
FRAGMENT TYPE: No. 5968816 applicable
ORIGINAL SOURCE:
ORGANISM: homo sapiens
STRAIN: not applicable
INDIVIDUAL ISOLATE: not applicable
DEVELOPMENTAL STAGE: not applicable
HAPOTYPE: not applicable
TISSUE TYPE: blood
CELL TYPE: Leucocyte
CELL LINE: HeLa
ORGANELLE: not applicable
IMMEDIATE SOURCE:
LIBRARY: not applicable
CLONE: not applicable
POSITION IN GENOME:
CHROMOSOME/SEGMENT: not applicable
MAP POSITION: not applicable
UNITS: not applicable
FEATURE:
NAME/KEY: Seq. ID. NO.: 3 is
NAME/KEY: the sequence in claim 1((1)) as Figure 8 of the specification
LOCATION: not available
IDENTIFICATION METHOD: experiment-
OTHER INFORMATION: prevention of IFN-2
OTHER INFORMATION: promoted cell death
PUBLICATION INFORMATION: not available
US-08-631-097-3

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Query Match 25.8%; Score 449.4; DB 2; Length 4935;
 Best Local Similarity 67.1%; Pred. No. 6.3e-11;
 Matches 664; Conservative 0; Mismatches 301; Indels 24; Gaps 1;

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Qy 59 AACATGAGCCCTTCAAGCAGAGAAAGTGGAGCACTTTATGACATCGAGAGAGACTG 118
Db 334 ATCATGACCGTGTTCAGCAGGAAAAAGTGAATTAATTAAGACACCGGCGAGAACTT 393
Qy 119 GGAAGTGGCCAGTTTGGCTTCGTGAAGAAGTCCGGAGAAAGACACCGGAGCTTAT 178
Db 394 GGCACTGACACATTGGCGTTGTGAAGAAATCCGTGAGAAAAGTACCGGCTTCAAT 453
Qy 179 GCAAGCAATTCATCAAGAACGGGAGAGCCGGGAGAGCCGGCGGTGTGAGCCGGAG 238
Db 454 CCGGCAATTCATCAAGAAAAGAGAGACTAAGTCAAGCCGGGAGGTGTGAGCCGGAG 513
Qy 239 GAGATCGAGCGGAGAGTGAAGTCTCTGGGCGAGGTGTGACACCAATGTCTACGCTG 298
Db 514 GACATCGAGCGGAGAGTCAAGTCTCTGAAGGATCCAGCACCCCAATGTCTACGCTG 573
Qy 299 CACGAGCTATGAGAACCGACCGAGCGTGTGACATCTTGAAGTGTGTGAGAGGA 358
Db 574 CACGAGCTATGAGAACGAGCGAGCTCATCTGATCTTGAAGTGTGTGAGAGTGC 633
Qy 359 GAGCTTTGATTTTCTGGCCCAAGAGAGTCACTGAGTGAAGAGAGCCACGACTTC 418

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Db 634 GAGCTTTGACTTCTTAGCTGAAAAAGAAATCTTTAAGTGAAGAGAACATGAAATT 693
Qy 419 ATTAAGCAGATCTGATGGAGTGAATCACTTCAACAAAGAAATGCTCACTTAT 478
Db 694 CTCACAAATTTCTTAATGATGTTTACTACTGCACTCCCTTCAATGAGCCACTTAT 753
Qy 479 CTCAGCCAGAAAACATTATGTTGTTAGACAAGATATTCCTATTCACATCAAGCTG 538
Db 754 CTTAAGCTGAGAACATATATGCTTTTGTGATGAATATGCCCCAAACCTCGATCAAGATC 813
Qy 539 ATTGACTTTGGTGTGCTGCTCAAGAAATAGAAATGAGTGAATTTAAGAAATTTTGG 598
Db 814 ATTGACTT-----TGAATAATGAAATTTAAAAACATATTTGG 849
Qy 599 ACGCGGAATTTGTTGCTCCAGAAATGTGAATPACAGAGCCCTGAGTGTGAGGCTGAC 658
Db 850 ACTCGAGTTTGTGCTCTGAGATGATCAATGAACTCTTGGTCTTGAAGCAAGT 909
Qy 659 ATGTGAGCATAGGCGTCACTACCTACCTCTTAAGTGAAGCATCCCTTCTTGGA 718
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Db 1210 GAGGCCGGAAGAAATGAGAAACATCCGTTGCTGATATATCATGTGCAAGATTAATC 1269
Qy 1019 CGCTGCTGATGAAGAGTGCACCTGAG 1047
Db 1270 AGGTATTCCTGTCCAGAAATGATGAG 1298

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Search completed: April 4, 2003, 20:54:08
 Job time : 100.942 secs

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Qy 987 TCAGCATGCTGTCCCTGTGCAACAACCTCCGCTCGCTGTATGAAGAAGTGACCTGA 1046
Db 600 TCAGCATGCTGTCCCTGTGCAACAACCTCCGCTCGCTGTATGAAGAAGTGACCTGA 659
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Db 660 GGCCCGATGAGAGACCTGAGAGAACTGTGAGAGTGAACATGAGAGAGACATCCGACAGAGA 719
Qy 1107 AAGCCCTCCACCCAGAGAGAGAGAGACACCTCCAACTGAGCTGACCTGAGTGGCCG 1166
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Db 1260 AGGCTGACCAACACCTCAGACCTTCTGAGAGAGCCCATTTGGCCCGCATGTTGTAAT 1319
Qy 1707 TTTGCTCATTTTATTAACCTTGCTGTTTACTGA 1741
Db 1320 TTTGCTCATTTTATTAACCTTGCTGTTTACTGA 1354

RESULT 2
US-09-757-982-12
; Sequence 12, Application US/09757982
; Patent No. US20020094559A1
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: WNI-050
; CURRENT APPLICATION NUMBER: US/09/757,982
; PRIOR FILING DATE: 2001-01-10
; PRIOR APPLICATION NUMBER: 09/163,115
; PRIOR FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
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; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(480)
US-09-757-982-12

Query Match 25.6%; Score 445.4; DB 10; Length 480;
Best Local Similarity 98.7%; Pred. No. 4.6e-110;
Matches 449; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 687 TCCTCTTAAGTGAGCATCCCTTTCTGTGAGACACGACAGAGAAACACTGCAATA 746
Db 26 TCAGTTAAGTGAGCATCCCTTTCTGTGAGACACGACAGAGAAACACTGCAATA 85
Qy 747 TCACATCAGTAGTTAGACCTTTGATGAGAAATTTCTAGCCATTCAGCGAGCTGCCA 806
Db 86 TCACAGCAGTAGTTAGACCTTTGATGAGAAATTTCTAGCCAGACGAGCGAGCTGCCA 145
Qy 807 AGGACTTATTGGAGGCTTGTGTTAAGAGACCCGGAACGGCTCAATCCAAAGG 866
Db 146 AGGACTTATTGGAGGCTTGTGTTAAGAGACCCGGAACGGCTCAATCCAAAGG 205
Qy 867 CTCTCAGACACCCCTGATCAAGCCGAGTGAACAACAGAACCATGTGCGACGAGAGT 926
Db 206 CTCTCAGACACCCCTGATCAAGCCGAGTGAACAACAGAACCATGTGCGACGAGAGT 265
Qy 927 CTGTGTCATCTGAGAGAACTTCAGAGAGAGTATGTCCGACGCGGTGGAAGCTTTCT 986
Db 266 CTGTGTCATCTGAGAGAACTTCAGAGAGAGTATGTCCGACGCGGTGGAAGCTTTCT 325
Qy 987 TCAGCATGCTGTCCCTGTGCAACAACCTCACCCGCTGATGAGAAAGTGACCTGA 1046
Db 326 TCAGCATGCTGTCCCTGTGCAACAACCTCACCCGCTGATGAGAAAGTGACCTGA 385
Qy 1047 GGCCGATGAGAGACCTGAGAACTGTGAGTGAACATGAGAGAGACATCCGACAGAGA 1106
Db 386 GGCCGATGAGAGACCTGAGAACTGTGAGTGAACATGAGAGAGACATCCGACAGAGA 445
Qy 1107 AAGCCTTCACCCAGAGAGAGAGACAGCACTTC 1141
Db 446 AAGCCTTCACCCAGAGAGAGAGACAGCACTTC 480

RESULT 3
US-09-969-708-302
; Sequence 302, Application US/09969708
; Patent No. US20020102532A1
; GENERAL INFORMATION:
; APPLICANT: Augustus, Meena
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signal
; FILE REFERENCE: 689290-70
; CURRENT APPLICATION NUMBER: US/09/969,708
; PRIOR FILING DATE: 2001-10-03
; PRIOR APPLICATION NUMBER: US/60/237,606
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: US/60/237,608
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: US/60/237,425
; PRIOR FILING DATE: 2000-10-03
; NUMBER OF SEQ ID NOS: 658
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 302
; LENGTH: 5926
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-969-708-302

Query Match 11.7%; Score 203; DB 10; Length 5926;
Best Local Similarity 59.1%; Pred. No. 5.9e-53;
Matches 388; Conservative 0; Mismatches 260; Indels 9; Gaps 2;
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; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3371
; LENGTH: 5926
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 U48959
US-09-880-107-3371

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Query Match      11.7%; Score 203; DB 10; Length 5926;
Best Local Similarity 59.1%; Pred. No. 5,9e-53;
Matches 388; Conservative 0; Mismatches 260; Indels 9; Gaps 2;

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QY 236 GAGAGATCGAGCGGAGTGAAGCATCTCGGCGAGGTGTGACCAACATGTCATCAG 295
DB 4629 GAGAAATATCCGGCAGAGATTAAGCATATGAACTGCTCCACACCTTAAGCTGTCCAG 4688
QY 296 CTCGACGACCTCTATGAGAAACCGACCGACGTGTGCAATCTTGAAGCTTGTGGA 355
DB 4689 TGTGTGATGCTCTTGAAGAAAGCCCAATGTCATGTCCTGGAGATCGTCCAGGA 4748
QY 356 GGAGAGCTCTTCGATTTCCGCGCCAGAAAGAGTCA---CTGAGTGAAGAGAGGCCAC 412
DB 4749 GGGGAGCTGTTTGAAGCGCATATTAAGAGAGCTTTGAGCTTGAAGGAGGTGTGATC 4808
QY 413 AGCTTATTAAGAGATCTCGATGAGGAGTGAATTAACCTTCAACAAGAAATTTGCTCAC 472
DB 4809 AAGTACATGCGGAGATCTCGAGGAGTGAAGTATCATCAACAAGAGGAGCATGTGCAC 4868
QY 473 TTGATCTCAAGCCAGAAACATTAATGTTTGAAGAAATTTCCATTCACACATC 532
DB 4869 CTGAGACTCAAGCCGAGAAACATCATGTGTCAACAAGAGGCCACCA-----GGATC 4922
QY 533 AAGCTGATTAAGCTTTGCTGCTGCTCAAGAAATGAAGATGAGATTGAATTTAAGAAAT 592
DB 4923 AAGCTCATGACTTTGCTGCTGCTGCTGAGAGGCTGAGAAATGCGGGGTCTTGAAGTCTTC 4982
QY 593 TTTGGAGACCCGGAATTTGTTGCTCAAGAAATTTGAATTCAGAGCCCTGGGTCTGAG 652
DB 4983 TTTGGACCCCGGAATTTGTTGCTCTCTGAAGTATCAATATGAGCCCATCGGCTAACGCC 5042
QY 653 GCTGACATGTGAGCATAGAGCGCTCATCTTACATCTCTTAAAGTGAAGATCCCTTTTC 712
DB 5043 ACAGACATGTGAGCATCGGGGTCTCTGCTAATCTTGAAGTGAAGTGGCTTTTCCCTTC 5102
QY 713 CTGGGAGACAGAAAGAGAAACACTGGCAATATCAATCAATGATTAAGATTAAGATTTGAT 772
DB 5103 ATGGGAGACAAAGATTAAGAAACCTTGGCCAGTTTACTGACCACTGGGAGCTTTCGAC 5162
QY 773 GAGGAATTTTACGCAATACGAGCGAGCTGCGCAAGACTTTATTTGCGAAGCTTTGTT 832
DB 5163 GACGAGGCAATTCATGATGAGATCTTCCAGATGCGCAAGATTTTCAATGAGAAATGCTGAAG 5222
QY 833 AAAGAGACCCGGAAGAGGCTCAATTCAGAGGCTTCAGACACCCCTGATCCG 889
DB 5223 AAAGATATGAAAAACCGCTTGAGACTGACAGCATGTCCTTACGACATTCATGCTAATG 5279

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RESULT 6
US-09-925-300-502
; Sequence 502, Application US/09925300
; Patent No. US20020151681A1
; GENERAL INFORMATION:
; APPLICANT: Straig Rosen,
; APPLICANT: Steve Ruben
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA101

```

```

; CURRENT APPLICATION NUMBER: US/09/925,300
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05988
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1890
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 502
; LENGTH: 3192
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (3085)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-925-300-502

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Query Match      11.6%; Score 202.8; DB 10; Length 3192;
Best Local Similarity 59.3%; Pred. No. 4,7e-53;
Matches 383; Conservative 1; Mismatches 253; Indels 9; Gaps 2;

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QY 236 GAGAGATCGAGCGGAGTGAAGCATCTCGGCGAGGTGTGACCAACATGTCATCAG 295
DB 1875 GAGAAATATCCGGCAGAGATTAAGCATATGAACTGCTCCACACCTTAAGCTGTCCAG 1934
QY 296 CTCGACGACCTCTATGAGAAACCGACCGACGTGTGCAATCTTGAAGCTTGTGGA 355
DB 1935 TGTGTGATGCTCTTGAAGAAAGCCCAATGTCATGTCCTGGAGATCGTCCAGGA 1994
QY 356 GGAGAGCTCTTCGATTTCCGCGCCAGAAAGAGTCA---CTGAGTGAAGAGAGGCCAC 412
DB 1995 GGGGAGCTGTTTGAAGCGCATATTAAGAGAGCTTTGAGCTTGAAGGAGGTGTGATC 2054
QY 413 AGCTTATTAAGAGATCTCGATGAGGAGTGAATTAACCTTCAACAAGAAATTTGCTCAC 472
DB 2055 AAGTACATGCGGAGATCTCGAGGAGTGAAGTATCATCAACAAGAGGAGCATGTGCAC 2114
QY 473 TTGATCTCAAGCCAGAAACATTAATGTTTGAAGAAATTTCCATTCACACATC 532
DB 2115 CTGAGACTCAAGCCGAGAAACATCATGTGTCAACAAGAGGCCACCA-----GGATC 2168
QY 533 AAGCTGATTAAGCTTTGCTGCTGCTCAAGAAATGAAGATGAGATTGAATTTAAGAAAT 592
DB 2169 AAGCTCATGACTTTGCTGCTGCTGCTGAGAGGCTGAGAAACGCGGGGTCTTGAAGTCTTC 2228
QY 593 TTTGGAGACCCGGAATTTGTTGCTCAAGAAATTTGAATTCAGAGCCCTGGGTCTGAG 652
DB 2229 TTTGGACCCCGGAATTTGTTGCTCTGAAGTATCAATATGAGCCCATCGGCTAACGCC 2288
QY 653 GCTGACATGTGAGCATAGAGCGTCTACCTTCACTCTTAAAGTGAAGATCCCTTTTC 712
DB 2289 ACAGACATGTGAGCATCGGGGTCTCTGCTAATCTTGAAGTGAAGTGGCTTTTCCCTTC 2348
QY 713 CTGGGAGACAGAAAGAGAAACACTGGCAATATCAATCAATGATTAAGATTAAGATTTGAT 772
DB 2349 ATGGGAGACAAAGATTAAGAAACCTTGGCCAGTTTACTGACCACTGGGAGCTTTCGAC 2408
QY 773 GAGGAATTTTACGCAATACGAGCGAGCTGCGCAAGACTTTATTTGCGAAGCTTTGTT 832
DB 2409 GACGAGGCAATTCATGATGAGATCTTCCAGATGCGCAAGATTTTCAATGAGAAATGCTGAAG 2468
QY 833 AAAGAGACCCGGAAGAGGCTCAATTCAGAGGCTTCAGACACCCCTGATCCG 878
DB 2469 AAAGATATGAAAAACCGCTTGAGACTGACGCAATGCTTTCAGCATCC 2514

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RESULT 7
US-09-940-921B-6
; Sequence 6, Application US/09940921B
; Patent No. US20020147320A1
; GENERAL INFORMATION:
; APPLICANT: Fridde, Carl Johan

```

; APPLICANT: Hilbun, Erin
 ; APPLICANT: Nepomichy, Boris
 ; APPLICANT: Hu, Yi
 ; TITLE OF INVENTION: No. US20020147320A1el Human Kinase Proteins and Polynucleotides E
 ; FILE REFERENCE: LEX-0227-USA
 ; CURRENT APPLICATION NUMBER: US/09/940, 921B
 ; CURRENT FILING DATE: 2002-05-21
 ; PRIOR APPLICATION NUMBER: US 60/229,280
 ; PRIOR FILING DATE: 2000-08-31
 ; NUMBER OF SEQ ID NOS: 10
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 6
 ; LENGTH: 1167
 ; TYPE: DNA
 ; ORGANISM: homo sapiens
 US-09-940-921B-6

Query Match 10.7%; Score 187.2; DB 10; Length 1167;
 Best Local Similarity 55.8%; Pred. No. 2.2e-48;
 Matches 435; Conservative 0; Mismatches 318; Indels 27; Gaps 3;

QY 109 AGAGAGCTGGGAGAGTGGCCAGTTTGCATGCTGTAAGAAGTCCGGGAGAGACGCGG 168
 DB 327 AGAAATCTTAGAGAGAGGCGCTTTCGCGCAGGTTCACAAAGTGTGAGAGACGCGCACAGG 386
 QY 169 GCTTGAGTATGACCAAGTTTCATCAAGAACGCGAGAGCCGCGCGCGGTGT 228
 DB 387 TCTGAAGCTGGAGCCAAATATCATCAGC-----CAGAGCATGAA 428
 QY 229 GAGCCGAGAGATGACAGCGGAGGTGACATCTCGCGGAGTGTGACCAATGT 288
 DB 429 GGACAAAGAGAGGTGAAAGAACAGATCAGCTCATGAACGCTGACACGCGAACCT 488
 QY 289 CATCAGCTGACGACGCTATAGAACCGCACCGACGTGGTGCATCTTGAAGTGT 348
 DB 489 CATCAGCTGACGACGCTATAGAACCGCACCGACGTGGTGCATCTTGAAGTGT 548
 QY 349 GTTCGAGAGAGTCTTTCGA---TTTCTGGCCAGAGAGTGTGAGAGAGGA 405
 DB 549 GGATGTGGGAGAGTGTTCAGCCGATCATCGATGAGAGTGTGAGAGAGTGTGA 608
 QY 406 GACCAACAGCTTCATTAAGACAGATCTTGAGTGGTGAATCACTTCAACAAAGAAAT 465
 DB 609 TACCATCTGTTTCATGAAGACAGATATGTAGGGGATTAAGGACATGACATAGATGAT 668
 QY 466 TGCTCATCTTGTATTCAGACCCGAGAAACATTAATGTTTGAAGCAAGATATTCATTC 525
 DB 669 TCTCCACTTGGACCTGAAGCCCTGAGAAATATCTGTGTGTGAATCGGATGCTAAG---- 723
 QY 526 ACACATCAAGCTGATTTGACTTTGTCTGCTCAGAAATAGAAATGAGATGAGTTGAATTTA 585
 DB 724 -CAAAATTAATAATTTATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTT 782
 QY 586 GAATATTTTGGAGCGCGGAAATTTGTCTCAGAAATGTTGAATGAGAGCCCTGGG 645
 DB 783 GGTGAACCTTTGGAAACCCAGAAATTTCTGCCCCCTGAAGTGTGAATGATTTTGTTC 842
 QY 646 TCTGAGAGCTGACATGTGAGAGATAGGGGTATCACTTACATCTCTTAAATGAGATC 705
 DB 843 ATTTCCCACTGACATGTGAGAGTGTGGGGTCACTCCCTAATATGATCTTAAGGGGTTTGT 902
 QY 706 CCCTTTCTGGGAGACGAGAGCAGAAACACTGGCAATATACATGATGAGTTAAGA 765
 DB 903 GCTTTTCTGGGTGACATGATGTGAGAGCTGTGAACATCATCTCGGCTGAGAGTGGGA 962
 QY 766 CTTTGATGAGAAATCTTCAAGCATACGAGAGTGGCCAGAGACTTTATTCGAGACT 825
 DB 963 CTTAAGAGTGAAGAAATTTCAAGACATCTCGAGAGAGGCAAGAGTTCATCTTAAGT 1022
 QY 826 TCTGTGTAAGAGACCGGAAACGCTCAATTCAGAGGCTTTCAGAGACCTCTGAT 885
 DB 1023 TCTGTGTAAGAGAGAGTGTGGCGAATATGTCAGAGAGCTCTCAAGACCTCTGAT 1082

RESULT 8
 US-09-940-921B-8
 ; Sequence No. US20020147320A1
 ; Patent No. US20020147320A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Fridde, Carl Johan
 ; APPLICANT: Hilbun, Erin
 ; APPLICANT: Nepomichy, Boris
 ; APPLICANT: Hu, Yi
 ; TITLE OF INVENTION: No. US20020147320A1el Human Kinase Proteins and Polynucleotides
 ; FILE REFERENCE: LEX-0227-USA
 ; CURRENT APPLICATION NUMBER: US/09/940, 921B
 ; CURRENT FILING DATE: 2002-05-21
 ; PRIOR APPLICATION NUMBER: US 60/229,280
 ; PRIOR FILING DATE: 2000-08-31
 ; NUMBER OF SEQ ID NOS: 10
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 8
 ; LENGTH: 1197
 ; TYPE: DNA
 ; ORGANISM: homo sapiens
 US-09-940-921B-8

Query Match 10.7%; Score 187.2; DB 10; Length 1197;
 Best Local Similarity 55.8%; Pred. No. 2.2e-48;
 Matches 435; Conservative 0; Mismatches 318; Indels 27; Gaps 3;

QY 109 AGAGAGCTGGGAGAGTGGCCAGTTTGCATGCTGTAAGAAGTCCGGGAGAGACGCGG 168
 DB 327 AGAAATCTTAGAGAGAGGCGCTTTCGCGCAGGTTCACAAAGTGTGAGAGACGCGCACAGG 386
 QY 169 GCTTGAGTATGACCAAGTTTCATCAAGAACGCGAGAGCCGCGCGGTGT 228
 DB 387 TCTGAAGCTGGAGCCAAATATCATCAGC-----CAGAGCATGAA 428
 QY 229 GAGCCGAGAGATGACAGCGGAGGTGACATCTCGCGGAGTGTGACCAATGT 288
 DB 429 GGACAAAGAGAGGTGAAAGAACAGATCAGCTCATGAACGCTGACACGCGAACCT 488
 QY 289 CATCAGCTGACGACGCTATAGAACCGCACCGACGTGGTGCATCTTGAAGTGT 348
 DB 489 CATCAGCTGACGACGCTATAGAACCGCACCGACGTGGTGCATCTTGAAGTGT 548
 QY 349 GTTCGAGAGAGTCTTTCGA---TTTCTGGCCAGAGAGTGTGACAGATGAGAGGA 405
 DB 549 GGATGTGGGAGAGTGTTCAGCCGATCATCGATGAGAGTGTGAATGAGAGGCTTGA 608
 QY 406 GACCAACAGCTTCATTAAGACAGATCTTGATGGGTGAATCACTTCAACAAAGAAAT 465
 DB 609 TACCATCTGTTTCATGAAGACAGATATGTAGGGGATTAAGGACATGATGATGTATCAT 668
 QY 466 TGCTCATCTTGTATTCAGACCCGAGAAACATTAATGTTTGAAGCAAGATATTCATTC 525
 DB 669 TCTCCACTTGGACCTGAAGCCCTGAGAAATATCTGTGTGTGAATCGGATGCTAAG---- 723
 QY 526 ACACATCAAGCTGATTTGACTTTGTCTGCTCAGAAATAGAAATGAGATGAGTTGAATTTA 585
 DB 724 -CAAAATTAATAATTTATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTT 782
 QY 586 GAATATTTTGGAGCGCGGAAATTTGTCTCAGAAATGTTGAATGAGAGCCCTGGG 645
 DB 783 GGTGAACCTTTGGAAACCCAGAAATTTCTGCCCCCTGAAGTGTGAATGATTTTGTTC 842
 QY 646 TCTGAGAGCTGACATGTGAGAGATAGGGGTATCACTTACATCTCTTAAATGAGATC 705
 DB 843 ATTTCCCACTGACATGTGAGAGTGTGGGGTCACTCCCTAATATGATCTTAAGCTTGTTC 902
 QY 706 CCCTTTCTGGGAGACGAGAGCAGAAACACTGGCAATATTCATATGAGATGAGTAAGA 765
 DB 903 GCTTTTCTGGGTGACATGATGTGAGAGCTGTGAACATCATCTCGGCTGAGAGTGGGA 962
 QY 766 CTTTGATGAGAAATCTTCAAGCATACGAGAGTGGCCAGAGACTTTATTCGAGACT 825

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Db 963 CTTAGAGAGTGAAGAAATTTGAGGACATCTCGAGAGAGGCCAAGATTCTCTTAAGCT 1022
Qy 826 TCTGGTTAAAGAGCCGGGAAACGGCTCACAATCCAAAGAGCTCTCAGAACCCCTTGAT 885
Db 1023 TCTGATTAAAGAGAAAGATTGGCGAATTAAGTGCAGGCAAGCTCTCAAGCAACCCCTGGTT 1082

RESULT 9
US-09-940-921B-10
; Sequence 10, Application US/09940921B
; Patent No. US20020147320A1
; GENERAL INFORMATION:
; APPLICANT: Fiddler, Carl Johan
; APPLICANT: Hilbun, Erin
; APPLICANT: Nepomniichy, Boris
; APPLICANT: Hu, Yi
; TITLE OF INVENTION: No. US20020147320A1 Human Kinase Proteins and Polynucleotides
; FILE REFERENCE: LEX-0227-USA
; CURRENT APPLICATION NUMBER: US/09/940,921B
; PRIOR FILING DATE: 2002-05-21
; PRIOR APPLICATION NUMBER: US 60/229,280
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 1744
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-940-921B-10

Query Match 10.7%; Score 187.2; DB 10; Length 1744;
Best Local Similarity 55.8%; Pred. No. 2,7e-48;
Matches 435; Conservative 0; Mismatches 318; Indels 27; Gaps 3;

Qy 109 AGAGAGCTGGGGAGTGGCCAGTTTCCATCGTGAAGAGTCCCGGAGAAAGACACGGG 168
Db 608 AGAAATCTTAGAGAGAGGGGGTTCGCGCAAGTTCAAGTGTGAGAGACGCCACAGG 667
Qy 169 GCTTGAGTATGACGCCAGTTTCATCAAGAGCGGCAGAGCCGGCGAGCCGGCGGTGT 228
Db 668 TCTGAAGCTGGGAGCCAAATATCATAGAC-----CAGAGCATGAA 709
Qy 223 GAGCGGGAGAGATGACCGGAGGTGACATCTCGCGCAGAGTCTGACACCAATGT 288
Db 710 GACCAAGAGAGGTGAACAGATCAGCTCATGAACAGCTGAGACCAAGCAACCT 769
Qy 289 CATCAGCTGACGAGCTGTATGAGAACCGCACGTCGTGACATCTTGACTAGT 348
Db 770 CATCCAGCTGTGATGCTTCCAGTCTTAAGAACGACATTTGCTGTGATGAGATGT 829
Qy 349 GTCTGAGAGAGCTCTTGA---TTTCTGCGCCAGAGAGATGACATGATGAGAGGA 405
Db 830 GATGATGGGAGCTGTGTTGACCGCATCATGATGAGATCAATTTGACGAGCTTGA 889
Qy 406 GGGCCACGCTTCATTAAGCAATCTGTGATGGGTGAATCTCTTACACAAAGAAAT 465
Db 890 TACCACTCTGTTATGAGCAAGATATGTAGGGGATTAAGGCAATGATCAGATGTACAT 949
Qy 466 TGCCTGATTTGATCTCAAGCCAGAAACATATGTTGTTAGACAGAAATATTCATTC 525
Db 950 TCTCACTTTGAGCTGAGAGCTGAGAAATCTGTGTGTGAATGGGATGCTAAG----- 1004
Qy 526 ACAATCAAGCTGATTTGATTTGTGCTGCTCAGAAATAGAAATGAGATGAGATTGAA 585
Db 1005 -CAAAATAAAATTAATGATTTTGAATGGCCAGAGATACAAACCCAGAGAGAGCTGAA 1063
Qy 586 GAATATTTTGGAGAGCGCGGAAATTTGTGCTCCCAAAATTTGAAATCTGAGCCCTGGG 645
Db 1064 GGTGAATTTGGAGCCCAAGAAATTTCTGCGCCCTGAAGTTGAACTATGATTTGTTC 1123
Qy 646 TCTGAGGCTGACATGTGAGAGATGAGCGTCACTACATCTCTTAAGTGAAGATC 705

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Db 1124 ATTTCCACTGACATGTGAGAGTGGGGGTATCCGCTTAATAGTACTTACGGGTTTTC 1183
Qy 706 CCGTTTCTGGGAGACAGAGACAGAAACACTGCAAAATATCAGATGAGTTACGA 765
Db 1184 GCCTTTCCGTGGGTGACAAATGATCTGAGACGCTGAACAAATCTTGCCCTGAGGTGGA 1243
Qy 766 CTTTATGAGAAATCTTACGCTATGAGAGAGTGGCCAAAGACTTATTCGGAAGCT 825
Db 1244 CTTAAGATGTAAGAAATTTTCAGACATCTCGAGAGGCGCAAGAGTTTCACTTAAGCT 1303
Qy 826 TCTGTTAAAGAGACCGGAAACGGCTCACAATCCMAAGGCTCTCAGACACCCCTGAT 885
Db 1304 TCTGATTAAAGAGAAAGATTGGCGAATTAAGTCAAGCAAGAGCTCTCAAGCAACCCCTGGTT 1363

RESULT 10
US-09-797-039-9
; Sequence 9, Application US/09797039
; Patent No. US20020042099A1
; GENERAL INFORMATION:
; APPLICANT: Olandt, Peter J.
; APPLICANT: Kapeller-Liebermann, Rosana
; TITLE OF INVENTION: 2504, 15977, AND 14760, NOVEL PROTEIN
; FILE REFERENCE: KINASE FAMILY MEMBERS AND USES THEREFOR
; CURRENT APPLICATION NUMBER: US/09/797,039
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 60/186,061
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 1788
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-797-039-9

Query Match 9.5%; Score 165.8; DB 10; Length 1788;
Best Local Similarity 54.0%; Pred. No. 1.6e-41;
Matches 422; Conservative 0; Mismatches 332; Indels 27; Gaps 3;

Qy 110 GAGAGCTGGGAGTGGCCAGTTTGCATCGTGAAGATCCCGGAGAAAGACACGGG 169
Db 865 GAGCGCTCGGAGGTGGCAAGTTTGGGCGAGTGTACTGTCATGAGAAAGACCAAGGC 924
Qy 170 CTTAGTATGAGCAAGTTCATCAAGACGCGAGACCGGGGAGCCGGCGGTGT 229
Db 925 CTCAAGCTGGACCAAGTTCATCAAGAAACAGACTCCCAAGCA----- 971
Qy 230 AGCGGAGAGATCGAGCGGAGGTGAGATCTCTGCGGAGGTGTCACACCAATGTC 289
Db 972 -----GGAATAGTGTGCTGAGAGATTGAGGTATGAAACAGCTGAACACCGAATCTG 1026
Qy 290 ATCAGCTGACAGCTGTATGAGAACCGACCGAGCTGTGACATCTTGAATG 349
Db 1027 ATCCAGCTGTATGAGCATGAGCATCCCATGAGATCGTCTGTTATGAGATCATC 1086
Qy 350 TCTGAGAGAGAGCTTGA---TTTCTGCGCCAGAGAGATCACTGATGAGAGAG 406
Db 1087 GAGGCGGAGAGCTTTCGAGAGATTTGATGAGATCAATCAATCTGACCGAGGTGAC 1146
Qy 407 GCCACAGCTTCAATTAAGCATCTGATGGGTGAATCACTTCAACAAAGAAAT 466
Db 1147 ACATGATGTTTGTGACGAGATCTGAGAGGATCTCTTCAATGACAAAGATGAGGTT 1206
Qy 467 GCTCACTTTATCTCAAGCCAGAAACATTAATGTTTGAACAAGATATTCATCCA 526
Db 1207 TTGACCTTGACCTCAAGCCAGAGAAATCTGTGTGTTCAACCA-----CCGGGCT 1260
Qy 527 CACATCAAGCTGATGATTTGCTGTGCTGCTCAGAAATTAAGATGAGATTGAATTAAG 586
Db 1261 TTGATGAAGTCAATTAATCTTGGCTTGGACGAGAGGTATTAACCCCAAGAGCTGAG 1320

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; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 7320
; LENGTH: 513
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC015914.3
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.8
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 3.4
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.2
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.6
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 5.6
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 6.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 4.3
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 4.8
; US-09-864-761-7320

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Query Match      8.8%; Score 154; DB 10; Length 513;
Best Local Similarity 94.1%; Pred. No. 3.9e-38;
Matches 160; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

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QY 687 TCCTTAAAGTGAAGATCCCTTCTCTGGAGACACGAGAGGAAACACTGGCAATA 746
DB 62 TCAGCTTAAGTGAAGATCCCTTCTCTGGAGACACGAGAGGAAACACTGGCAATA 121
QY 747 TCACATCAAGTGAAGTTCGATGAGGAATTCCTGACCATCGAGCGAGTGGCCA 806
DB 122 TCACGACAGTGAAGTTCGATGAGGAATTCCTGACCATCGAGCGAGTGGCCA 181
QY 807 AGGACTTATTCGAAGCTTCTGTTAAAGAGACCCGGAACGGCTCACA 856
DB 182 AGGACTTATTCGAAGCTTCTGTTAAAGAGACCCGGAAGAGGAGGACACA 231

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RESULT 13
US-09-864-761-24050
; Sequence 24050, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aemica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; PRIOR APPLICATION NUMBER: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03

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; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 24050
; LENGTH: 153
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC015914.3
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.8
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 3.4
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.2
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.6
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 5.6
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 6.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 4.3
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 4.8
; OTHER INFORMATION: SWISSPROT HIT: P53355, EVALUATE 5.00e-17
; OTHER INFORMATION: NT HIT: AB018001.1, EVALUATE 4.00e-81
; OTHER INFORMATION: EST_HUMAN HIT: AW603538.1, EVALUATE 6.00e-81
; US-09-864-761-24050

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Query Match      8.6%; Score 149.8; DB 10; Length 153;
Best Local Similarity 98.7%; Pred. No. 4.1e-37;
Matches 151; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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QY 751 ATCAGTGAAGTGAAGCTTGTATGAGGAATTTCTTACGCATATCGAGCGAGCTGGCCAAAGA 810
DB 61 AGCAGTGAAGTGAAGCTTGTATGAGGAATTTCTTACGCATATCGAGCGAGCTGGCCAAAGA 120
QY 811 CTTTATTCGAAGCTTCTGTTAAAGAGACCCG 843
DB 121 CTTTATTCGAAGCTTCTGTTAAAGAGACCCG 153

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RESULT 14
US-10-024-036B-3
; Sequence 3, Application US/10024036B
; Publication No. US2003002804A1
; GENERAL INFORMATION:

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APPLICANT: Bandaru, Rajasekhara
TITLE OF INVENTION: 68730 and 69112, Protein Kinase
FILE REFERENCE: MP12000-521PR(M)
CURRENT APPLICATION NUMBER: US/10/024,036B
PRIOR FILING DATE: 2001-12-17
PRIOR APPLICATION NUMBER: 60/258222
NUMBER OF SEQ ID NOS: 10
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 1074
TYPE: DNA
ORGANISM: Homo sapiens
US-10-024-036B-3
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Best Local Similarity 52.7%; Pred. No. 1,8e-35;
Matches 341; Conservative 0; Mismatches 303; Indels 3; Gaps 1;
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DB 196 ATAGAGATGAGATAGCCGCTCTGAGAAAGATTAGCATGAAATATTGTCCTGAA 255
OY 302 GACGCTATGAGAACCGACCGACGTGTGCATCTTGAAGTATGTCTGAGAGAG 361
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DB 256 GACATTTATGAAAGCCCAATACCTGTACTGTGCATGACGTGTGTCCGGTGAAG 315
OY 362 CTCTTCATTTCTGCGCCAGAGATCACTGAGTGAAGAGAGGCCACCACTTCAT 421
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 316 CTGTTTGACCGGATATGAGAGAGGGGTTTATACAGAGAGAGGCCACCACTGTATC 375
OY 422 AAGCATCTCGATGGGTGAATCACTTCACACAAAGAAATGTCACCTTGATCTC 481
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 376 CGCAGATCTTGAGACCGCTGTACTATCTCCAGAGATGGGATGTCCACAGAGACTC 435
OY 482 AAGCAGAAACATTATGTTTGAACAAGATATTCCTCATCCACATCAAGCTGATT 541
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 436 AAGCCCGAAAA--TCTCTTGTACTACAGTCAAGATGAGAGTCCAAAATATATGATCAGT 492
OY 542 GACTTTGTCTGCTCAGAAATAGAGATGAGTTGAATTTAAGATATTTTGGACG 601
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DB 493 GACTTTGATGTCAAAAATGAGAGGCAAGAGATGTGATGTCCACTGCTGTGAAGCT 552
OY 602 CCGGAATTTGTTGCTCCAGAAATGTGAATACAGACCCCTGGGTCTGAGGCTGACATG 661
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DB 553 CCAAGCTATGTGCTCTGAAAGTCTCGCCCAAGAACTTACAGCAAAAGCGTTGACTGC 612
OY 662 TGGAGCATAGCGCTCATCACTACATCTTTAAGTGAAGCATCCCTTTCCTGGAGAC 721
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DB 613 TGGTCCATCGGAGATGATTGCTACATCTTGCTCTGGGCTACCCCTCTTTTATGATGAA 672
OY 722 ACGAAGCAGAAACACTGGCAAAATATCAATCAGTGAATTACGACTTTGATGAGAAATTC 781
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DB 673 AATGATCTCAAGCTCTTGAAGCAGATCTCAAGCGGAAATGATTTGACTCTCCCTAC 732
OY 782 TTCAAGCATAGAGGAGCTGGCCAAAGACTTTATTCGAAGCTCTGATTAAGAGAC 841
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DB 733 TGGGATGATCTCTCGACTCTGCAAAAGACTTTCATTTGGAACCTGATGAGAGAGCCG 792
OY 842 CGGAAAGCGCTCACAATCCAGAGGCTCTCAGACACCCCTGGATCAG 888
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DB 793 AATTAAGATACAGCTGTGAGAGGACAGCTCGGACCCATGATGCG 839
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RESULT 15
US-09-835-788A-6
Sequence 6, Application US/09835788A
Patent No. US20020077458A1
GENERAL INFORMATION:
APPLICANT: NI et al.
TITLE OF INVENTION: Death Domain-Containing Receptor Polynucleotides, Polypeptides,
Antibodies
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FILE REFERENCE: PT018P1
CURRENT APPLICATION NUMBER: US/09/835, 788A
CURRENT FILING DATE: 2001-04-17
PRIOR APPLICATION NUMBER: PCT/US00/28666
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/159,585
PRIOR FILING DATE: 1999-10-18
PRIOR APPLICATION NUMBER: 60/167,246
PRIOR FILING DATE: 1999-11-24
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 6
LENGTH: 1578
TYPE: DNA
ORGANISM: Homo sapiens
US-09-835-788A-6
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Query Match      8.4%; Score 146.2; DB 10; Length 1578;
Best Local Similarity 52.7%; Pred. No. 2,2e-35;
Matches 341; Conservative 0; Mismatches 303; Indels 3; Gaps 1;
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OY 242 ATCGACGGAGGTGAGATCCTCGGAGGTGTCACCAATGTCATCAGCGTGCAC 301
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DB 192 ATAGAGATGAGATAGCCGCTCTGAGAAAGATTAGCATGAAATATTGTCCTGAA 251
OY 302 GACGCTATGAGAACCGACCGACGTGTGCATCTTGAAGTATGTCTGAGAGAG 361
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DB 252 GACATTTATGAAAGCCCAATACCTGTACTGTGCATGACGTGTGTCCGGTGAAG 311
OY 362 CTCTTCATTTCTGCGCCAGAGATCACTGAGTGAAGAGAGGCCACCACTTCAT 421
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DB 312 CTGTTTGACCGGATATGAGAGAGGGGTTTATACAGAGAGAGTCCACGACACTGTATC 371
OY 422 AAGCATCTCGATGGGTGAATCACTTCACACAAAGAAATGTCACCTTGATCTC 481
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 372 CGCAGATCTTGAGACCGCTGTACTATCTCCAGAGATGGGATGTCCACAGAGACTC 431
OY 482 AAGCAGAAACATTATGTTTGAACAAGATATTCCTCATCCACATCAAGCTGATT 541
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DB 432 AAGCCCGAAAA--TCTCTTGTACTACAGTCAAGATGAGAGTCCAAAATATATGATCAGT 488
OY 542 GACTTTGTCTGCTCAGAAATAGAGATGAGTTGAATTTAAGATATTTTGGACG 601
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 489 GACTTTGATGTCAAAAATGAGAGGCAAGAGATGTGATGTCCACTGCTGTGAAGCT 548
OY 602 CCGGAATTTGTTGCTCCAGAAATGTGAATACAGACCCCTGGGTCTGAGGCTGACATG 661
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DB 549 CCAAGCTATGTGCTCTGAAAGTCTCGCCCAAGAACTTACAGCAAAAGCGTTGACTGC 608
OY 662 TGGAGCATAGCGCTCATCACTACATCTTTAAGTGAAGCATCCCTTTCCTGGAGAC 721
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DB 609 TGGTCCATCGGAGATGATTGCTACATCTTGCTCTGGGCTACCCCTCTTTTATGATGAA 668
OY 722 ACGAAGCAGAAACACTGGCAAAATATCAATCAGTGAATTACGACTTTGATGAGAAATTC 781
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DB 669 AATGATCTCAAGCTCTTGAAGCAGATCTCAAGCGGAAATGATTTGACTCTCCCTAC 728
OY 782 TTCAAGCATAGAGGAGCTGGCCAAAGACTTTTATTCGAAGCTCTGATTAAGAGAC 841
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DB 729 TGGGATGATCTCTCGACTCTGCAAAAGACTTTCATTTGGAACCTGATGAGAGAGCCG 788
OY 842 CGGAAAGCGCTCACAATCCAGAGGCTCTCAGACACCCCTGGATCAG 888
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DB 789 AATTAAGATACAGCTGTGAGAGGACAGCTCGGACCCATGATGCG 835
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Job time : 221.917 secs
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GenCore version 5.1.3
Copyright (c) 1993 - 2003 Comugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 4, 2003, 19:22:42 ; Search time 6.058 Seconds
(without alignments)
6074.810 Million cell updates/sec

Title: US-09-719-748-1_COPY_1022_1141

Perfect score: 120
Sequence: 1 tcgcgtgacgaagaagtgca.....ggagagagagcagcctcc 120

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

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2: /cgn2_6/ptodata/1/ina/5B_COMB.seq: *
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----|-------------------|
| 1 | 120 | 100.0 | 480 | 3 | US-09-221-235-12 |
| 2 | 120 | 100.0 | 480 | 3 | US-09-221-928-12 |
| 3 | 120 | 100.0 | 480 | 3 | US-09-221-527-12 |
| 4 | 120 | 100.0 | 480 | 3 | US-09-221-236-12 |
| 5 | 120 | 100.0 | 480 | 3 | US-09-221-416-12 |
| 6 | 120 | 100.0 | 480 | 4 | US-09-221-245-12 |
| 7 | 120 | 100.0 | 480 | 4 | US-09-163-115-12 |
| 8 | 120 | 100.0 | 480 | 4 | US-09-221-528-12 |
| 9 | 120 | 100.0 | 480 | 4 | US-09-593-553-12 |
| 10 | 120 | 100.0 | 480 | 4 | US-09-221-237-12 |
| 11 | 120 | 100.0 | 1864 | 3 | US-09-221-235-10 |
| 12 | 120 | 100.0 | 1864 | 3 | US-09-221-928-10 |
| 13 | 120 | 100.0 | 1864 | 3 | US-09-221-527-10 |
| 14 | 120 | 100.0 | 1864 | 3 | US-09-221-236-10 |
| 15 | 120 | 100.0 | 1864 | 3 | US-09-221-416-10 |
| 16 | 120 | 100.0 | 1864 | 4 | US-09-221-245-10 |
| 17 | 120 | 100.0 | 1864 | 4 | US-09-163-115-10 |
| 18 | 120 | 100.0 | 1864 | 4 | US-09-221-528-10 |
| 19 | 120 | 100.0 | 1864 | 4 | US-09-593-553-10 |
| 20 | 120 | 100.0 | 1864 | 4 | US-09-221-237-10 |
| 21 | 30 | 25.0 | 1605 | 4 | US-09-124-541-3 |
| 22 | 30 | 25.0 | 6733 | 4 | US-09-124-541-2 |
| 23 | 28.8 | 24.0 | 2004 | 1 | US-08-471-033-18 |
| 24 | 28.8 | 24.0 | 2004 | 2 | US-08-471-044-18 |
| 25 | 28.8 | 24.0 | 2004 | 2 | US-08-463-483A-18 |
| 26 | 28.8 | 24.0 | 2004 | 2 | US-08-471-046A-18 |
| 27 | 28.8 | 24.0 | 2004 | 2 | US-08-470-566B-18 |

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| 28 | 28.8 | 24.0 | 2004 | 2 | US-08-469-334-18 | Sequence 18, Appl |
| 29 | 28.8 | 24.0 | 2004 | 3 | US-09-300-529-18 | Sequence 18, Appl |
| 30 | 28.8 | 24.0 | 2576 | 2 | US-08-471-033-35 | Sequence 35, Appl |
| 31 | 28.8 | 24.0 | 2576 | 2 | US-08-471-044-35 | Sequence 35, Appl |
| 32 | 28.8 | 24.0 | 2576 | 2 | US-08-463-483A-35 | Sequence 35, Appl |
| 33 | 28.8 | 24.0 | 2576 | 2 | US-08-471-046A-35 | Sequence 35, Appl |
| 34 | 28.8 | 24.0 | 2576 | 2 | US-08-470-566B-35 | Sequence 35, Appl |
| 35 | 28.8 | 24.0 | 2576 | 2 | US-08-469-334-35 | Sequence 35, Appl |
| 36 | 28.8 | 24.0 | 2655 | 3 | US-09-300-529-35 | Sequence 35, Appl |
| 37 | 28.8 | 24.0 | 2655 | 1 | US-08-471-033-17 | Sequence 17, Appl |
| 38 | 28.8 | 24.0 | 2655 | 1 | US-08-471-033-26 | Sequence 26, Appl |
| 39 | 28.8 | 24.0 | 2655 | 2 | US-08-471-044-17 | Sequence 17, Appl |
| 40 | 28.8 | 24.0 | 2655 | 2 | US-08-471-044-26 | Sequence 26, Appl |
| 41 | 28.8 | 24.0 | 2655 | 2 | US-08-463-483A-17 | Sequence 17, Appl |
| 42 | 28.8 | 24.0 | 2655 | 2 | US-08-463-483A-26 | Sequence 26, Appl |
| 43 | 28.8 | 24.0 | 2655 | 2 | US-08-471-046A-17 | Sequence 17, Appl |
| 44 | 28.8 | 24.0 | 2655 | 2 | US-08-471-046A-26 | Sequence 26, Appl |
| 45 | 28.8 | 24.0 | 2655 | 2 | US-08-470-566B-17 | Sequence 17, Appl |

ALIGNMENTS

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RESULT 1
US-09-221-235-12
Sequence 12, Application US/09221235
Patent No. 6043040
GENERAL INFORMATION:
APPLICANT: Acton, Susan
TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
FILE REFERENCE: NMI-050
CURRENT APPLICATION NUMBER: US/09/221,235
CURRENT FILING DATE: 1998-12-28
EARLIER APPLICATION NUMBER: 09/163,115
EARLIER FILING DATE:
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 12
LENGTH: 480
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(480)
US-09-221-235-12

Query Match      100.0%; Score 120; DB 3; Length 480;
Best Local Similarity 100.0%; Pred. No. 4.5e-26;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCgcgtGtGAGAGGtGcAcCTGAGcCGGATGAGAcCTTGAGAcTGTGAGAGTAc 60
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Db 361 TCgcGTGtGAGAGGAGtGcAcCTGAGcCGGATGAGAcCTTGAGAGAcTGTGAGAGTAc 420

QY 61 ACTGAGAGGAcATCGcAGAGGAAAGcCTTCACcCAGcAGAGAGAGAcGAcCTCC 120
    |||||||
Db 421 ACTGAGAGGAcATCGcAGAGGAAAGcCTTCACcCAGcAGAGAGAGAcGAcCTCC 480

RESULT 2
US-09-221-928-12
Sequence 12, Application US/09221928
Patent No. 6121030
GENERAL INFORMATION:
APPLICANT: Acton, Susan
TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
FILE REFERENCE: NMI-050
CURRENT APPLICATION NUMBER: US/09/221,928
CURRENT FILING DATE: 1998-12-28
EARLIER APPLICATION NUMBER: 09/163,115
EARLIER FILING DATE:
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.0
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; SEQ ID NO 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(480)
US-09-221-928-12

Query Match          100.0%; Score 120; DB 3; Length 480;
Best Local Similarity 100.0%; Pred. No. 4.5e-26;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TCGCTGATGAAGAAGTGCACCTGAGCGCGATGAGACCTTGAGGAACCTGTGAGAGTGAC 60
DB 361 TCGCTGATGAAGAAGTGCACCTGAGCGCGATGAGACCTTGAGGAACCTGTGAGAGTGAC 420

OY 61 ACTGAGAGGACATCGCCGAGAGAAAGCCCTCCACCCGAGAGAGAGAGACGACCTCC 120
DB 421 ACTGAGAGGACATCGCCGAGAGAAAGCCCTCCACCCGAGAGAGAGAGACGACCTCC 480

RESULT 3
US-09-221-527-12
; Sequence 12, Application US/09221527
; Patent No. 6146832
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNI-050
; CURRENT APPLICATION NUMBER: US/09/221,527
; EARLIER FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(480)
US-09-221-527-12

Query Match          100.0%; Score 120; DB 3; Length 480;
Best Local Similarity 100.0%; Pred. No. 4.5e-26;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TCGCTGATGAAGAAGTGCACCTGAGCGCGATGAGACCTTGAGGAACCTGTGAGAGTGAC 60
DB 361 TCGCTGATGAAGAAGTGCACCTGAGCGCGATGAGACCTTGAGGAACCTGTGAGAGTGAC 420

OY 61 ACTGAGAGGACATCGCCGAGAGAAAGCCCTCCACCCGAGAGAGAGAGACGACCTCC 120
DB 421 ACTGAGAGGACATCGCCGAGAGAAAGCCCTCCACCCGAGAGAGAGAGACGACCTCC 480

RESULT 4
US-09-221-236-12
; Sequence 12, Application US/09221236
; Patent No. 6146841
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNI-050
; CURRENT APPLICATION NUMBER: US/09/221,236
; EARLIER FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 12
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; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(480)
US-09-221-236-12

Query Match          100.0%; Score 120; DB 3; Length 480;
Best Local Similarity 100.0%; Pred. No. 4.5e-26;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TCGCTGATGAAGAAGTGCACCTGAGCGCGATGAGACCTTGAGGAACCTGTGAGAGTGAC 60
DB 361 TCGCTGATGAAGAAGTGCACCTGAGCGCGATGAGACCTTGAGGAACCTGTGAGAGTGAC 420

OY 61 ACTGAGAGGACATCGCCGAGAGAAAGCCCTCCACCCGAGAGAGAGAGACGACCTCC 120
DB 421 ACTGAGAGGACATCGCCGAGAGAAAGCCCTCCACCCGAGAGAGAGAGACGACCTCC 480

RESULT 5
US-09-221-416-12
; Sequence 12, Application US/09221416
; Patent No. 6153417
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNI-050
; CURRENT APPLICATION NUMBER: US/09/221,416
; EARLIER FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(480)
US-09-221-416-12

Query Match          100.0%; Score 120; DB 3; Length 480;
Best Local Similarity 100.0%; Pred. No. 4.5e-26;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TCGCTGATGAAGAAGTGCACCTGAGCGCGATGAGACCTTGAGGAACCTGTGAGAGTGAC 60
DB 361 TCGCTGATGAAGAAGTGCACCTGAGCGCGATGAGACCTTGAGGAACCTGTGAGAGTGAC 420

OY 61 ACTGAGAGGACATCGCCGAGAGAAAGCCCTCCACCCGAGAGAGAGAGACGACCTCC 120
DB 421 ACTGAGAGGACATCGCCGAGAGAAAGCCCTCCACCCGAGAGAGAGAGACGACCTCC 480

RESULT 6
US-09-221-245-12
; Sequence 12, Application US/09221245
; Patent No. 6180358
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNI-050
; CURRENT APPLICATION NUMBER: US/09/221,245
; EARLIER FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 12
; LENGTH: 480
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TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(480)
US-09-221-245-12

Query Match 100.0%; Score 120; DB 4; Length 480;
Best Local Similarity 100.0%; Pred. No. 4.5e-26;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCGCTGATGAAGAAGTGCACCTTGAGCCCGATGAGACCTTGAGAACTGTGAGGTGAC 60
DB 361 TCGCTGATGAAGAAGTGCACCTTGAGCCCGATGAGACCTTGAGAACTGTGAGGTGAC 420
QY 61 ACTGAGAGGACATCGCCAGAGAGAAAGCCCTCCACCCAGGAGGAGAGGAGGACACTCC 120
DB 421 ACTGAGAGGACATCGCCAGAGAGAAAGCCCTCCACCCAGGAGGAGGAGGACACTCC 480

RESULT 7

US-09-163-115-12
Sequence 12, Application US/09163115A
Patent No. 6183962
GENERAL INFORMATION:
APPLICANT: Acton, Susan
TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
FILE REFERENCE: NMI-050
CURRENT FILING DATE: 1998-09-29
PRIOR APPLICATION NUMBER: US/09/163,115A
CURRENT FILING DATE: 1998-09-29
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 12
LENGTH: 480
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(480)
US-09-163-115-12

Query Match 100.0%; Score 120; DB 4; Length 480;
Best Local Similarity 100.0%; Pred. No. 4.5e-26;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCGCTGATGAAGAAGTGCACCTTGAGCCCGATGAGACCTTGAGAACTGTGAGGTGAC 60
DB 361 TCGCTGATGAAGAAGTGCACCTTGAGCCCGATGAGACCTTGAGAACTGTGAGGTGAC 420
QY 61 ACTGAGAGGACATCGCCAGAGAGAAAGCCCTCCACCCAGGAGGAGAGGAGGACACTCC 120
DB 421 ACTGAGAGGACATCGCCAGAGAGAAAGCCCTCCACCCAGGAGGAGAGGAGGACACTCC 480

RESULT 8

US-09-221-528-12
Sequence 12, Application US/09221528
Patent No. 6190874
GENERAL INFORMATION:
APPLICANT: Acton, Susan
TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
FILE REFERENCE: NMI-050
CURRENT FILING DATE: 1998-12-28
EARLIER FILING DATE: 1998-12-28
EARLIER APPLICATION NUMBER: 09/163,115
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 12
LENGTH: 480
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:

NAME/KEY: CDS
LOCATION: (1)..(480)
US-09-221-528-12

Query Match 100.0%; Score 120; DB 4; Length 480;
Best Local Similarity 100.0%; Pred. No. 4.5e-26;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCGCTGATGAAGAAGTGCACCTTGAGCCCGATGAGACCTTGAGAACTGTGAGGTGAC 60
DB 361 TCGCTGATGAAGAAGTGCACCTTGAGCCCGATGAGACCTTGAGAACTGTGAGGTGAC 420
QY 61 ACTGAGAGGACATCGCCAGAGAGAAAGCCCTCCACCCAGGAGGAGAGGAGGACACTCC 120
DB 421 ACTGAGAGGACATCGCCAGAGAGAAAGCCCTCCACCCAGGAGGAGAGGAGGACACTCC 480

RESULT 9

US-09-593-553-12
Sequence 12, Application US/09593553
Patent No. 6200770
GENERAL INFORMATION:
APPLICANT: Acton, Susan
TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
FILE REFERENCE: NMI-050
CURRENT FILING DATE: 2000-06-14
PRIOR APPLICATION NUMBER: 09/163,115
PRIOR FILING DATE: 1998-09-28
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 12
LENGTH: 480
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(480)
US-09-593-553-12

Query Match 100.0%; Score 120; DB 4; Length 480;
Best Local Similarity 100.0%; Pred. No. 4.5e-26;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCGCTGATGAAGAAGTGCACCTTGAGCCCGATGAGACCTTGAGAACTGTGAGGTGAC 60
DB 361 TCGCTGATGAAGAAGTGCACCTTGAGCCCGATGAGACCTTGAGAACTGTGAGGTGAC 420
QY 61 ACTGAGAGGACATCGCCAGAGAGAAAGCCCTCCACCCAGGAGGAGAGGAGGACACTCC 120
DB 421 ACTGAGAGGACATCGCCAGAGAGAAAGCCCTCCACCCAGGAGGAGAGGAGGACACTCC 480

RESULT 10

US-09-221-237-12
Sequence 12, Application US/09221237
Patent No. 6214597
GENERAL INFORMATION:
APPLICANT: Acton, Susan
TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
FILE REFERENCE: NMI-050
CURRENT FILING DATE: 1998-12-28
EARLIER FILING DATE: 1998-12-28
EARLIER APPLICATION NUMBER: 09/163,115
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 12
LENGTH: 480
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS

LOCATION: (1)..(480)
US-09-221-237-12

Query Match 100.0%; Score 120; DB 4; Length 480;
Best Local Similarity 100.0%; Pred. No. 4.5e-26;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCGCTGATGAAGAAGTGCACCTGAGCCCGATGAGACCTGAGAACTGTGAGAGTGAC 60
DB 361 TCGCTGATGAAGAAGTGCACCTGAGCCCGATGAGACCTGAGAACTGTGAGAGTGAC 420
QY 61 ACTGAGGAGGACATCGCCGAGGAGAAAGCCTTCCACCCGAGAGGAGGACGACCTTCC 120
DB 421 ACTGAGGAGGACATCGCCGAGGAGAAAGCCTTCCACCCGAGAGGAGGACGACCTTCC 480

RESULT 11
US-09-221-235-10

Sequence 10, Application US/09221235
Patent No. 6043040
GENERAL INFORMATION:

APPLICANT: Acton, Susan
TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR

FILE REFERENCE: NMI-050
CURRENT APPLICATION NUMBER: US/09/221,235
CURRENT FILING DATE: 1998-12-28

EARLIER APPLICATION NUMBER: 09/163,115
EARLIER FILING DATE:
NUMBER OF SEQ ID NOS: 15

SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 10

LENGTH: 1864
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (275)..(754)
US-09-221-235-10

Query Match 100.0%; Score 120; DB 3; Length 1864;
Best Local Similarity 100.0%; Pred. No. 5.8e-26;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCGCTGATGAAGAAGTGCACCTGAGCCCGATGAGACCTGAGAACTGTGAGAGTGAC 60
DB 635 TCGCTGATGAAGAAGTGCACCTGAGCCCGATGAGACCTGAGAACTGTGAGAGTGAC 694
QY 61 ACTGAGGAGGACATCGCCGAGGAGAAAGCCTTCCACCCGAGAGGAGGACGACCTTCC 120
DB 695 ACTGAGGAGGACATCGCCGAGGAGAAAGCCTTCCACCCGAGAGGAGGACGACCTTCC 754

RESULT 12
US-09-221-928-10

Sequence 10, Application US/09221928
Patent No. 6121030
GENERAL INFORMATION:

APPLICANT: Acton, Susan
TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR

FILE REFERENCE: NMI-050
CURRENT APPLICATION NUMBER: US/09/221,928
CURRENT FILING DATE: 1998-12-28

EARLIER APPLICATION NUMBER: 09/163,115
EARLIER FILING DATE:
NUMBER OF SEQ ID NOS: 15

SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 10

LENGTH: 1864
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (275)..(754)
US-09-221-928-10

US-09-221-928-10

Query Match 100.0%; Score 120; DB 3; Length 1864;
Best Local Similarity 100.0%; Pred. No. 5.8e-26;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCGCTGATGAAGAAGTGCACCTGAGCCCGATGAGACCTGAGAACTGTGAGAGTGAC 60
DB 635 TCGCTGATGAAGAAGTGCACCTGAGCCCGATGAGACCTGAGAACTGTGAGAGTGAC 694
QY 61 ACTGAGGAGGACATCGCCGAGGAGAAAGCCTTCCACCCGAGAGGAGGACGACCTTCC 120
DB 695 ACTGAGGAGGACATCGCCGAGGAGAAAGCCTTCCACCCGAGAGGAGGACGACCTTCC 754

RESULT 13

US-09-221-527-10
Sequence 10, Application US/09221527

Patent No. 6146832
GENERAL INFORMATION:

APPLICANT: Acton, Susan
TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR

FILE REFERENCE: NMI-050
CURRENT APPLICATION NUMBER: US/09/221,527
CURRENT FILING DATE: 1998-12-28

EARLIER APPLICATION NUMBER: 09/163,115
EARLIER FILING DATE:
NUMBER OF SEQ ID NOS: 15

SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 10

LENGTH: 1864
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (275)..(754)
US-09-221-527-10

Query Match 100.0%; Score 120; DB 3; Length 1864;
Best Local Similarity 100.0%; Pred. No. 5.8e-26;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCGCTGATGAAGAAGTGCACCTGAGCCCGATGAGACCTGAGAACTGTGAGAGTGAC 60
DB 635 TCGCTGATGAAGAAGTGCACCTGAGCCCGATGAGACCTGAGAACTGTGAGAGTGAC 694
QY 61 ACTGAGGAGGACATCGCCGAGGAGAAAGCCTTCCACCCGAGAGGAGGACGACCTTCC 120
DB 695 ACTGAGGAGGACATCGCCGAGGAGAAAGCCTTCCACCCGAGAGGAGGACGACCTTCC 754

RESULT 14
US-09-221-236-10

Sequence 10, Application US/09221236
Patent No. 6146841
GENERAL INFORMATION:

APPLICANT: Acton, Susan
TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR

FILE REFERENCE: NMI-050
CURRENT APPLICATION NUMBER: US/09/221,236
CURRENT FILING DATE: 1998-12-28

EARLIER APPLICATION NUMBER: 09/163,115
EARLIER FILING DATE: 1998-09-29
NUMBER OF SEQ ID NOS: 15

SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 10

LENGTH: 1864
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (275)..(754)
US-09-221-236-10

| | | | | |
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| Query Match | 100.0%; | Score 120; | DB 3; | Length 1864; |
| Best Local Similarity | 100.0%; | Pred. No. 5.8e-26; | | |
| Matches 120; Conservative | 0; | Mismatches 0; | Indels 0; | Gaps 0; |

Dy 1 TCGGTGATGAAGAGTGCACTGAGGCCGGATAGAAGACCTTGAAGAACTGTGAGAGTGCAC 60
|||
Db 635 TCGGTGATGAAGAGGTGCACCTGAGGCCGGATAGAAGACCTGAGGAACGTGTGAGAGTGCAC 694

RESULT 15
US-09-221-416-10

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? Sequence ID: Application US/09221416
? Patent No. 6153417
? GENERAL INFORMATION:
? APPLICANT: Acton, Susan
? TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
? FILE REFERENCE: NMI-050
? CURRENT APPLICATION NUMBER: US/09/221,416
? CURRENT FILING DATE: 1998-12-28
? EARLIER APPLICATION NUMBER: 09/163,115
? EARLIER FILING DATE: 1998-09-29
? NUMBER OF SEQ ID NOS: 15
? SOFTWARE: PatentIn Ver. 2.0
? SEQ ID NO 10
? LENGTH: 1864
? TYPE: DNA
? ORGANISM: Homo sapiens
? FEATURE:
? NAME/KEY: CDS
? LOCATION: (275)..(754)
? OS-09-221-416-10

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| Query Match | 100.0%; | Score 120; | DB 3; | length 1864; |
| Best Local Similarity | 100.0%; | Pred. No. 5.8e-26; | | |
| Matches 120; Conservative | 0; | Mismatches | 0; | Indels 0; Gaps 0; |

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Search completed: April 4, 2003, 20:54:09
Job time : 7.058 secs

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RESULT 6

US-09-764-868-1489 Application US/09764668
Sequence 1489, Patent No. US2002016871A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PT232
CURRENT APPLICATION NUMBER: US/09/764,868
Prior application data removed - refer to PALM or file wrapper
NUMBER OF SEQ ID NOS: 1510
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1489
LENGTH: 22452
TYPE: DNA
ORGANISM: Homo sapiens
US-09-764-868-1489

Query Match 24.7%; Score 29.6; DB 9; Length 22452;
Best Local Similarity 59.5%; Pred. No. 2.1; Mismatches 34; Indels 0; Gaps 0;

Matches 50; Conservative 0; Mismatches 34; Indels 0; Gaps 0;

QY 2 CGCTGATGAGAGGCTGACCTGAGCGCGATGAGACCTGAGAACTGTGAGAGTGA 61

DB 19120 CTCTCTTTAAGAGCATCACCTGAGCGCGGTGCGTGCCTCACCTGTATCTTACGA 19179

QY 62 CTGAGAGACATCCCGCAGAGGA 85

DB 19180 CTTTGGAGGCTGAGCAGGTGA 19203

RESULT 7

US-09-835-232-7
Sequence 7, Application US/09835232
Patent No. US20020098489A1
GENERAL INFORMATION:
APPLICANT: Leder, Philip
TITLE OF INVENTION: FORMIN-2 NUCLEIC ACIDS AND POLYPEPTIDES
FILE REFERENCE: 00383/052002
CURRENT APPLICATION NUMBER: US/09/835,232
CURRENT FILING DATE: 2001-04-12
Prior application data removed - refer to PALM or file wrapper
Prior application number: US 60/196,811
Prior filing date: 2000-04-13
NUMBER OF SEQ ID NOS: 22
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 7
LENGTH: 170834
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (1) _ (170834)
OTHER INFORMATION: n= A,T,C, or G
US-09-835-232-7

Query Match 24.3%; Score 29.2; DB 10; Length 170834;
Best Local Similarity 54.7%; Pred. No. 3.3; Mismatches 48; Indels 0; Gaps 0;

Matches 58; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

QY 5 TGTATGAAGAGTGCACCTGAGCGCGATGAGACCTTGAAGAACTGTGAGAGTGA 64

DB 72085 TGTAAATGAATGTGATGTGAGCGCATGAGACAGACTGACGAGAAAGAGAGAGCAATG 72144

QY 65 AGAGAGATCGCCAGAGAGAAAGCCCTCCACCCCGAGAGAGAG 110

DB 72145 AGAGAGACAGAGCTGAGAGATGTGGCCAAACCACTGATGATCG 72190

RESULT 8

US-10-163-866-51/c
Sequence 51, Application US/10163866
Publication No. US20030027188A1
GENERAL INFORMATION:
APPLICANT: EXELIXIS, INC.
TITLE OF INVENTION: SLICs AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE
FILE REFERENCE: EX02-080C
CURRENT APPLICATION NUMBER: US/10/163,866
CURRENT FILING DATE: 2002-06-05
Prior application number: US 60/296,076
Prior filing date: 2001-06-05
Prior application number: US 60/328,605
Prior filing date: 2001-10-10
Prior application number: US 60/338,733
Prior filing date: 2001-10-22
Prior application number: US 60/357,253
Prior filing date: 2002-02-15
Prior application number: US 60/357,600
Prior filing date: 2002-02-15
NUMBER OF SEQ ID NOS: 54
SOFTWARE: Patentin version 3.1
SEQ ID NO 51
LENGTH: 1541
TYPE: DNA
ORGANISM: Homo sapiens
US-10-163-866-51

Query Match 23.8%; Score 28.6; DB 9; Length 1541;
Best Local Similarity 54.2%; Pred. No. 3.5; Mismatches 49; Indels 0; Gaps 0;

Matches 58; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

QY 5 TGTATGAAGAGTGCACCTGAGCGCGATGAGACCTGAGAACTGTGAGAGTGA 64

DB 1167 TCATCACACAGTGAACCGAGGACGCGACGCGGTGAGAGCTGTGATGATGATG 1108

QY 65 AGAGAGACATCGCCAGAGAGAAAGCCCTCCACCCAGAGAGAGAGC 111

DB 1107 AGAGATGAGAGGCGAGTGGCTTCCCGGACCCACAGAAAGAGC 1061

RESULT 9

US-09-981-353-64
Sequence 64, Application US/09981353
Patent No. US20020160382A1
GENERAL INFORMATION:
APPLICANT: Lasek, Amy W.
TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
FILE REFERENCE: PA-0038 US
CURRENT APPLICATION NUMBER: US/09/981,353
CURRENT FILING DATE: 2001-10-11
Prior application number: US 60/194,194
Prior filing date: 2001-10-11
NUMBER OF SEQ ID NOS: 194
SOFTWARE: PERL Program
SEQ ID NO 64
LENGTH: 1556
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. US20020160382A1 3231154CB1
US-09-981-353-64

Query Match 23.8%; Score 28.6; DB 9; Length 1556;
Best Local Similarity 54.2%; Pred. No. 3.5; Mismatches 49; Indels 0; Gaps 0;

Matches 58; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

QY 6 GATGAAGAGTGCACCTGAGCGCGATGAGACCTTGAAGAACTGTGAGAGTGA 65

DB 1181 GAGGAGAGAGGATGATGATGAGAGCAAGAGAGAGAGAGCACTGGCGCTGATGATCCCC 1240

QY 66 GGAGAGATCGCCAGAGAGAAAGCCCTCCACCCAGAGAGAGAGCA 112

; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 7
; LENGTH: 1621
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-163-866-7

Query Match 23.8%; Score 28.6; DB 9; Length 1621;
Best Local Similarity 54.2%; Pred. No. 3.5;
Matches 58; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

QY 5 TGATGAAGAAGTGCACCTGAGCGCGATGAGACCTGAGAACTGTGAGAGTGAACACTG 64
DB 1190 TCATCACAACAGTGAACACGAGGAGACGGCACGGGGGTGAGAGCTGTGGTGTGATCATGG 1131

QY 65 AGGAGAGATGGCCCGAGAGAAAGCCCTCCACCCACGAGAGAGAGC 111
DB 1130 AGAGGATGAGGAGGAGTGGCTTCCCGGAGCCCGACAGAAAGAGC 1084

RESULT 14

US-09-880-107-3437
; Sequence 3437, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Scherf, Uwe
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-MO
; CURRENT APPLICATION NUMBER: US/09/880,107
; PRIOR FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 3437
; LENGTH: 2793
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 U79725
US-09-880-107-3437

Query Match 23.8%; Score 28.6; DB 10; Length 2793;
Best Local Similarity 54.2%; Pred. No. 3.7;
Matches 58; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

QY 6 GATGAAGAAGTGCACCTGAGCGCGATGAGACCTGAGAACTGTGAGAGTGAACACTG 65
DB 1226 GAGGAGAGAGGAGTGAACAGGCAAGAGAGAGAGAGAGCACTGGGCGTGAATCCCC 1285

QY 66 GGAGGACATCCCGAGAGAAAGCCCTCCACCCAGGAGAGAGACA 112
DB 1286 GGACCACCTCGACAGTGAAGGCCAGCAGAGGGCGCGAGAGA 1332

RESULT 15

US-09-925-302-47
; Sequence 47, Application US/09925302
; Patent No. US20020044941A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: P0104
; CURRENT APPLICATION NUMBER: US/09/925,302
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05918
; PRIOR FILING DATE: 2000-03-08

; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 896
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 47
; LENGTH: 3773
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-302-47

Query Match 23.8%; Score 28.6; DB 10; Length 3773;
Best Local Similarity 64.2%; Pred. No. 3.8;
Matches 43; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 6 GATGAAGAAGTGCACCTGAGCGCGATGAGACCTGAGAACTGTGAGAGTGAACACTG 65
DB 2285 GCTGAAGATGTCTGCTGCAAGTGTGATGAGAGCGGAGAAAGCCCGAGAGTCAAGGA 2344

QY 66 GGAGGAC 72
DB 2345 CAGGACC 2351

Search completed: April 4, 2003, 22:34:22
Job time : 37.0827 secs

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